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**Table 1 Summary of LD Score regression**

SNP-based heritability				
Phenotype		Number of valid SNPs in analysis	$h^2_{SNP}$ (95% CI)	Estimated intercept (se)
2016 IHGC migraine		834,361	12.31% (9.17–15.45%)	1.08 (0.015)
2013 PGC MDD		877,768	19.10% (12.16–26.04%)	1.01 (0.0083)
SNP-based genetic correlation				
Phenotype 1	Phenotype 2	Number of valid SNPs in analysis	$r_G$ (se) [ $P$ value]	Estimated intercept for genetic covariance (se)
2016 IHGC migraine	2013 PGC MDD	686,287	0.25 (0.12) [0.040]	0.040 (0.0075)

$h^2_{SNP}$  SNP-based heritability, 95% CI 95% confidence interval,  $r_G$  SNP-based genetic correlation,  $se$  standard error.

**Table 2 SECA-based genetic concordance between migraine and MDD**

2016 IHGC Migraine GWAS $P$ value threshold	No. of SNP effects across Migraine and MDD <sup>a</sup>			Proportion of SNPs with concordant effects	Concordance test $P$ value <sup>b</sup>
	Concordant	Discordant	Total		
1	202	156	358	0.5642	$1.73 \times 10^{-2}$
0.9	192	150	342	0.5614	$2.65 \times 10^{-2}$
0.8	178	140	318	0.5597	$3.78 \times 10^{-2}$
0.7	166	124	290	0.5724	$1.59 \times 10^{-2}$
0.6	159	112	271	0.5867	$5.11 \times 10^{-3}$
0.5	146	100	246	0.5935	$4.03 \times 10^{-3}$
0.4	126	85	211	0.5972	$5.76 \times 10^{-3}$
0.3	109	69	178	0.6124	$3.35 \times 10^{-3}$
0.2	88	46	134	0.6567	$3.60 \times 10^{-4}$
0.1	66	22	88	0.7500	$2.88 \times 10^{-6}$
0.05	34	12	46	0.7391	$1.64 \times 10^{-3}$

0.01

14

3

17

0.8235

 $1.27 \times 10^{-2}$ 

<sup>a</sup>There were a total of 358 independent SNPs (linkage disequilibrium  $r^2 < 0.1$ ) with results in both the 2016 IHGC Migraine GWAS and the top 10,000 SNPs ( $P$  value  $\leq 1 \times 10^{-5}$ ) in the 2016 23andMe MDD GWAS. <sup>b</sup>Two-sided exact binomial test for concordance: where the number of successes, number of trials and probability of success is the number of *Concordant* SNPs, *Total* SNPs and 0.5, respectively.

**Table 3 Summary of the independent genome-wide significant SNPs from meta-analysis of 2016 IHGC migraine and 2016 23andMe MDD GWAS**

SNP	Chr	Position	RefSeq gene context	EA	NEA	FE meta-analysis		Migraine		MDD	
						OR	P value	OR	P value	OR	P value
rs12127789	1	72740073	[ <i>NEGR1</i> ]	T	G	1.05	7.20×10 <sup>-9</sup>	1.04	0.015	1.05	1.67×10 <sup>-7</sup>
rs2195636	3	158352440	<i>MLF1</i> -[ ]- <i>GFM1</i>	T	C	1.03	1.42×10 <sup>-8</sup>	1.02	0.048	1.04	5.63×10 <sup>-8</sup>
rs768705	5	87568710	[ <i>TMEM161B-AS1</i> ]	A	G	0.97	1.52×10 <sup>-8</sup>	1.01	0.22	0.95	6.58×10 <sup>-13</sup>
rs146377178	8	25386973	<i>CDCA2</i> -[ ]-- <i>EBF2</i>	T	C	1.09	7.41×10 <sup>-9</sup>	1.09	4.24×10 <sup>-3</sup>	1.09	6.13×10 <sup>-7</sup>
rs6476606	9	37005561	[ <i>PAX5</i> ]	A	G	1.03	2.52×10 <sup>-8</sup>	1.04	2.98×10 <sup>-4</sup>	1.03	1.50×10 <sup>-5</sup>
rs672931	11	30920897	[ <i>DCDC1</i> ]	T	C	1.03	7.01×10 <sup>-9</sup>	1.04	8.27×10 <sup>-4</sup>	1.03	2.34×10 <sup>-6</sup>
rs9536359	13	53691446	<i>OLFM4</i> --[ ]- <i>LINC01065</i>	T	C	0.96	2.75×10 <sup>-13</sup>	0.97	3.88×10 <sup>-3</sup>	0.96	1.15×10 <sup>-11</sup>
rs11858956	15	70261228	<i>RPLP1</i> --[ ]- <i>TLE3</i>	T	C	0.97	4.20×10 <sup>-8</sup>	0.97	3.51×10 <sup>-3</sup>	0.97	3.27×10 <sup>-6</sup>
rs5751069	22	41627775	[ <i>CHADL</i> ]	C	G	0.96	5.42×10 <sup>-11</sup>	0.96	4.58×10 <sup>-4</sup>	0.96	2.51×10 <sup>-8</sup>

*SNP* dbSNP v147 variant ID, *Chr* chromosome, *Position* hg19 human genome assembly, *RefSeq gene context* for genic SNPs the relevant gene is listed within brackets and for intergenic SNPs the genes flanking the locus are listed, *EA* effect allele, *NEA* non-effect allele, *FE meta-analysis* fixed effect model meta-analysis, *OR* odds ratio for the EA, *Migraine* 2016 IHGC migraine GWAS, *MDD*, 2016 23andMe MDD discovery GWAS.

**Table 4 Summary of gene-based association analyses under three  $P$  value thresholds**

Discovery	Target	Overlapping genes		Proportion of overlap		Binominal test <i>P</i> value
		Raw	Effective	Expected	Observed	
<i>P</i> value $\leq 0.01$						
Migraine	MDD	21	12	0.016	0.027	0.045
<i>P</i> value $< 0.05$						

Migraine	MDD	173	115	0.065	0.087	0.001
<i>P</i> value $\leq 0.10$						
Migraine	MDD	468	318	0.12	0.15	$2.60 \times 10^{-6}$

*Migraine* 2016 IHGC migraine GWAS, *MDD* 2013 PGC MDD GWAS, *Raw* total number of genes, *Effective* effective number of independent genes.

**Table 5 Genome-wide significant genes in gene-based associations with 2016 IHGC migraine and 2013 PGC MDD**

Gene	Chr	Gene position	Fisher's combined <i>P</i> value (gene-based <i>P</i> value for migraine and MDD)	Top SNP	EA	NEA	Top SNP position	Migraine		MDD	
								OR	<i>P</i> value	OR	<i>P</i> value
<i>ANKDD1B</i>	5	74907284–74967671	$1.57 \times 10^{-6}$ ( $1.81 \times 10^{-6}$ ; 0.0050)	rs34358 <sup>a</sup>	A	G	74965122	0.94	$1.49 \times 10^{-7}$	1.02	0.38
				rs904743 <sup>a</sup>	A	G	74917862	0.97	0.039	1.09	$4.30 \times 10^{-3}$
<i>KCNK5</i>	6	39156747–39197251	$1.39 \times 10^{-7}$ ( $7.59 \times 10^{-8}$ ; 0.093)	rs9394578 <sup>b</sup>	C	A	39165859	0.93	$3.97 \times 10^{-9}$	1.03	0.23
				rs2815095 <sup>b</sup>	C	T	39156108	0.95	$1.34 \times 10^{-5}$	1.07	$4.90 \times 10^{-3}$

*Chr* chromosome, *Gene Position* hg19 human genome assembly, *Fisher's combined P value* gene-based association *P* value from Fisher's combined *P* value test with the specific gene-based association *P* value for migraine and MDD (respectively) shown in brackets, *Top SNP* the most significant SNP assigned to the gene in the 2016 IHGC migraine GWAS and 2013 PGC MDD GWAS, *EA* Top SNP effect allele, *NEA* Top SNP non-effect allele, *Top SNP position* hg19 human genome assembly, *Migraine* 2016 IHGC migraine GWAS, *MDD* 2016 23andMe MDD discovery GWAS, *OR* odds ratio for EA, <sup>a</sup>Linkage disequilibrium between rs34358 and rs904743 is weak ( $r^2 = 0.24$ ),

<sup>b</sup>Linkage disequilibrium between rs9394578 and rs2815095 is weak to moderate ( $r^2 = 0.39$ ).

**Table 6 Summary of independent pathway analysis**

Pathway term name	Pathway term ID	FDR corrected <i>P</i> value	Gene list
<b>Source: Gene Ontology (biological process)</b>			
stabilization of membrane potential	GO:0030322	0.021	<i>KCNK5, KCNK4</i>
protein octanoylation	GO:0018190	0.050	<i>MBOAT4</i>
arsonoacetate metabolic process	GO:0018872	0.050	<i>AS3MT</i>
mitochondrial threonyl-tRNA aminoacylation	GO:0070159	0.050	<i>TARS2</i>

<b>Source: Gene Ontology (cellular component)</b>			
mitochondrial oxoglutarate dehydrogenase complex	GO:0009353	0.050	<i>MRPS36</i>
<b>Source: Gene Ontology (molecular function)</b>			
potassium ion leak channel activity	GO:0022841	0.021	<i>KCNK5,KCNK4</i>
peptidase regulator activity	GO:0061134	0.023	<i>BAD,SERPINF1,NGF,NOL3</i>
nerve growth factor receptor binding	GO:0005163	0.050	<i>NGF</i>
extracellular-glutamate-gated chloride channel activity	GO:0008068	0.050	<i>GABRP</i>
serine O-acyltransferase activity	GO:0016412	0.050	<i>MBOAT4</i>
arsenite methyltransferase activity	GO:0030791	0.050	<i>AS3MT</i>
methylarsonite methyltransferase activity	GO:0030792	0.050	<i>AS3MT</i>
nucleoside phosphotransferase activity	GO:0050146	0.050	<i>NT5C2</i>
mechanically-gated potassium channel activity	GO:0098782	0.050	<i>KCNK4</i>
<b>Source: Kyoto Encyclopedia of Genes and Genomes (KEGG)</b>			
Wnt signaling pathway	KEGG:04310	0.020	<i>SERPINF1,PLCB3,DVL3</i>
Endocrine and other factor-regulated calcium reabsorption	KEGG:04961	0.016	<i>PLCB3,AP2M1</i>
Amyotrophic lateral sclerosis (ALS)	KEGG:05014	0.019	<i>BAD,NEFM</i>
<b>Source: Reactome</b>			
G1 Phase	REAC:69236	0.012	<i>CDK7,E2F4</i>
Retrograde neurotrophin signalling	REAC:177504	0.0017	<i>NGF,AP2M1</i>
Phase 4 - resting membrane potential	REAC:5576886	0.0031	<i>KCNK5,KCNK4</i>
RNA polymerase II transcribes snRNA genes	REAC:6807505	0.050	<i>CDK7,RPRD2</i>
BH3-only proteins associate with and inactivate anti-apoptotic BCL-2 members	REAC:111453	0.048	<i>BAD</i>
Nef mediated downregulation of CD28 cell surface expression	REAC:164939	0.012	<i>AP2M1</i>
NGF processing	REAC:167060	0.024	<i>NGF</i>
Nef Mediated CD8 Down-regulation	REAC:182218	0.042	<i>AP2M1</i>
TRKA activation by NGF	REAC:187042	0.012	<i>NGF</i>
NRAGE signals death through JNK	REAC:193648	0.020	<i>BAD,NGF</i>
p75NTR negatively regulates cell cycle via SC1	REAC:193670	0.036	<i>NGF</i>
Ceramide signalling	REAC:193681	0.018	<i>NGF</i>
Signalling to STAT3	REAC:198745	0.018	<i>NGF</i>
NFG and proNGF binds to p75NTR	REAC:205017	0.018	<i>NGF</i>
Axonal growth stimulation	REAC:209563	0.024	<i>NGF</i>
Fatty Acids bound to GPR40 (FFAR1) regulate insulin secretion	REAC:434316	0.048	<i>PLCB3</i>
TWIK related potassium channel (TREK)	REAC:1299503	0.018	<i>KCNK4</i>
Abacavir metabolism	REAC:2161541	0.030	<i>NT5C2</i>

SUMO is conjugated to E1 (UBA2:SAE1)	REAC:3065676	0.030	<i>SAE1</i>
SUMO is transferred from E1 to E2 (UBE2I, UBC9)	REAC:3065678	0.036	<i>SAE1</i>
Regulation by TREX1	REAC:3248023	0.018	<i>TREX1</i>
Negative regulation of TCF-dependent signaling by DVL-interacting proteins	REAC:5368598	0.030	<i>DVL3</i>

*FDR* False Discovery rate.

**Supplementary Table 1. Summary of the genome-wide significant SNPs from meta-analysis of 2016 IHGC migraine and 2016 23andMe MDD GWAS**

SNP	Chr	HGVS	RefSeq gene context	EA	NEA	FE meta-analysis		RE2 meta-analysis		Migraine		MDD	
						OR	<i>P</i> value	OR	<i>P</i> value	OR	<i>P</i> value	OR	<i>P</i> value
rs12134600	1	hg19.chr1:g.72635996C>A	[ <i>NEGR1</i> ]	A	C	1.04	2.99×10 <sup>-8</sup>	1.04	3.78×10 <sup>-8</sup>	1.03	0.05	1.05	1.95×10 <sup>-7</sup>
rs12127789	1	hg19.chr1:g.72740073G>T	[ <i>NEGR1</i> ]	T	G	1.05	7.20×10 <sup>-9</sup>	1.05	1.02×10 <sup>-8</sup>	1.04	0.02	1.05	1.67×10 <sup>-7</sup>
rs3101339	1	hg19.chr1:g.72748669A>C	<i>NEGR1</i> -[ ]	A	C	0.97	4.31×10 <sup>-8</sup>	0.97	5.18×10 <sup>-8</sup>	0.98	0.13	0.97	5.36×10 <sup>-8</sup>
rs11209943	1	hg19.chr1:g.72750500A>G	<i>NEGR1</i> -[ ]	A	G	0.97	2.06×10 <sup>-8</sup>	0.97	2.76×10 <sup>-8</sup>	0.98	0.11	0.97	2.56×10 <sup>-8</sup>
rs3101337	1	hg19.chr1:g.72751134C>T	<i>NEGR1</i> -[ ]	T	C	1.03	2.22×10 <sup>-8</sup>	1.03	2.99×10 <sup>-8</sup>	1.02	0.12	1.04	2.35×10 <sup>-8</sup>
rs3101336	1	hg19.chr1:g.72751185T>C	<i>NEGR1</i> -[ ]	T	C	0.97	2.13×10 <sup>-8</sup>	0.97	2.87×10 <sup>-8</sup>	0.98	0.12	0.97	2.34×10 <sup>-8</sup>
rs2815765	1	hg19.chr1:g.72752230T>C	<i>NEGR1</i> -[ ]	T	C	0.97	2.26×10 <sup>-8</sup>	0.97	3.04×10 <sup>-8</sup>	0.98	0.12	0.97	2.35×10 <sup>-8</sup>
rs2568952	1	hg19.chr1:g.72755105C>G	<i>NEGR1</i> -[ ]	C	G	0.97	2.25×10 <sup>-8</sup>	0.97	3.02×10 <sup>-8</sup>	0.98	0.12	0.97	2.34×10 <sup>-8</sup>
rs2568956	1	hg19.chr1:g.72764376T>C	<i>NEGR1</i> -[ ]	T	C	0.97	2.20×10 <sup>-8</sup>	0.97	2.96×10 <sup>-8</sup>	0.98	0.12	0.97	2.19×10 <sup>-8</sup>
rs2568958	1	hg19.chr1:g.72765116G>A	<i>NEGR1</i> -[ ]	A	G	1.03	2.19×10 <sup>-8</sup>	1.03	2.95×10 <sup>-8</sup>	1.02	0.12	1.04	2.23×10 <sup>-8</sup>
rs11209948	1	hg19.chr1:g.72811904G>T	<i>NEGR1</i> -[ ]	T	G	1.03	1.63×10 <sup>-8</sup>	1.03	2.29×10 <sup>-8</sup>	1.02	0.12	1.04	1.71×10 <sup>-8</sup>
rs2568960	1	hg19.chr1:g.72812249A>G	<i>NEGR1</i> -[ ]	A	G	0.97	1.54×10 <sup>-8</sup>	0.97	2.14×10 <sup>-8</sup>	0.98	0.11	0.97	1.72×10 <sup>-8</sup>
rs2815753	1	hg19.chr1:g.72812324G>A	<i>NEGR1</i> -[ ]	A	G	1.03	1.58×10 <sup>-8</sup>	1.03	2.21×10 <sup>-8</sup>	1.02	0.12	1.04	1.77×10 <sup>-8</sup>
rs2815752	1	hg19.chr1:g.72812440G>A	<i>NEGR1</i> -[ ]	A	G	1.03	1.54×10 <sup>-8</sup>	1.03	2.14×10 <sup>-8</sup>	1.02	0.11	1.04	2.00×10 <sup>-8</sup>
rs2613494	1	hg19.chr1:g.72812657A>G	<i>NEGR1</i> -[ ]	A	G	0.97	1.60×10 <sup>-8</sup>	0.97	2.24×10 <sup>-8</sup>	0.98	0.12	0.97	1.75×10 <sup>-8</sup>
rs2568961	1	hg19.chr1:g.72812747C>T	<i>NEGR1</i> -[ ]	T	C	1.03	1.70×10 <sup>-8</sup>	1.03	2.37×10 <sup>-8</sup>	1.02	0.12	1.04	1.69×10 <sup>-8</sup>
rs1460943	1	hg19.chr1:g.72813129C>T	<i>NEGR1</i> -[ ]	T	C	1.03	1.75×10 <sup>-8</sup>	1.03	2.42×10 <sup>-8</sup>	1.02	0.12	1.04	1.75×10 <sup>-8</sup>
rs1432639	1	hg19.chr1:g.72813218C>A	<i>NEGR1</i> -[ ]	A	C	1.03	1.13×10 <sup>-8</sup>	1.03	1.68×10 <sup>-8</sup>	1.02	0.11	1.04	1.28×10 <sup>-8</sup>
rs1460942	1	hg19.chr1:g.72813256A>T	<i>NEGR1</i> -[ ]	A	T	0.97	1.38×10 <sup>-8</sup>	0.97	1.99×10 <sup>-8</sup>	0.98	0.12	0.96	1.37×10 <sup>-8</sup>
rs2012697	1	hg19.chr1:g.72819612T>C	<i>NEGR1</i> -[ ]	T	C	0.97	4.21×10 <sup>-8</sup>	0.97	5.09×10 <sup>-8</sup>	0.98	0.14	0.97	3.64×10 <sup>-8</sup>
rs990871	1	hg19.chr1:g.72823713C>T	<i>NEGR1</i> -[ ]	T	C	1.03	4.10×10 <sup>-8</sup>	1.03	4.98×10 <sup>-8</sup>	1.02	0.13	1.04	3.46×10 <sup>-8</sup>
rs6661921	1	hg19.chr1:g.72824855G>A	<i>NEGR1</i> -[ ]	A	G	1.03	3.20×10 <sup>-8</sup>	1.03	4.05×10 <sup>-8</sup>	1.02	0.11	1.04	3.86×10 <sup>-8</sup>
rs6687024	1	hg19.chr1:g.72824860C>T	<i>NEGR1</i> -[ ]	T	C	1.03	3.75×10 <sup>-8</sup>	1.03	4.66×10 <sup>-8</sup>	1.02	0.11	1.03	5.00×10 <sup>-8</sup>

rs11209952	1	hg19.chr1:g.72837500C>T	NEGR1-[ ]	T	C	1.03	4.25×10 <sup>-8</sup>	1.03	5.12×10 <sup>-8</sup>	1.02	0.14	1.04	3.65×10 <sup>-8</sup>
rs7649643	3	hg19.chr3:g.158271089A>G	[LOC100996447]	A	G	1.03	2.92×10 <sup>-8</sup>	1.03	3.73×10 <sup>-8</sup>	1.02	0.13	1.04	3.78×10 <sup>-8</sup>
rs1656369	3	hg19.chr3:g.158280085T>A	[LOC100996447]	A	T	0.97	3.42×10 <sup>-8</sup>	0.97	4.28×10 <sup>-8</sup>	0.98	0.11	0.96	3.27×10 <sup>-8</sup>
rs1656368	3	hg19.chr3:g.158281021A>G	[LOC100996447]	A	G	1.03	3.76×10 <sup>-8</sup>	1.03	4.67×10 <sup>-8</sup>	1.02	0.13	1.04	2.98×10 <sup>-8</sup>
rs2195636	3	hg19.chr3:g.158352440C>T	MLF1-[ ]-GFM1	T	C	1.03	1.42×10 <sup>-8</sup>	1.03	2.04×10 <sup>-8</sup>	1.02	0.05	1.04	5.63×10 <sup>-8</sup>
rs10214154	5	hg19.chr5:g.87545319T>G	[TMEM161B]	T	G	1.03	3.70×10 <sup>-8</sup>	1.03	2.96×10 <sup>-11</sup>	0.98	0.18	1.05	1.88×10 <sup>-12</sup>
rs430943	5	hg19.chr5:g.87547123G>A	[TMEM161B]	A	G	0.97	2.03×10 <sup>-8</sup>	0.97	2.53×10 <sup>-11</sup>	1.01	0.23	0.95	8.73×10 <sup>-13</sup>
rs390856	5	hg19.chr5:g.87547559T>C	[TMEM161B]	T	C	1.03	2.39×10 <sup>-8</sup>	1.03	2.42×10 <sup>-11</sup>	0.98	0.21	1.05	8.75×10 <sup>-13</sup>
rs373845	5	hg19.chr5:g.87549710A>G	[TMEM161B]	A	G	1.03	2.41×10 <sup>-8</sup>	1.03	2.42×10 <sup>-11</sup>	0.98	0.21	1.05	8.79×10 <sup>-13</sup>
rs410354	5	hg19.chr5:g.87550284A>T	[TMEM161B]	A	T	1.03	4.83×10 <sup>-8</sup>	1.03	5.06×10 <sup>-11</sup>	0.98	0.19	1.05	2.90×10 <sup>-12</sup>
rs454830	5	hg19.chr5:g.87550495G>A	[TMEM161B]	A	G	0.97	2.41×10 <sup>-8</sup>	0.97	2.42×10 <sup>-11</sup>	1.02	0.21	0.95	9.44×10 <sup>-13</sup>
rs780404	5	hg19.chr5:g.87552492T>C	[TMEM161B]	T	C	1.03	3.85×10 <sup>-8</sup>	1.03	5.47×10 <sup>-11</sup>	0.99	0.23	1.05	2.94×10 <sup>-12</sup>
rs375514	5	hg19.chr5:g.87555294G>A	[TMEM161B]	A	G	0.97	3.89×10 <sup>-8</sup>	0.97	5.46×10 <sup>-11</sup>	1.01	0.22	0.95	2.96×10 <sup>-12</sup>
rs780405	5	hg19.chr5:g.87556339A>G	[TMEM161B]	A	G	1.03	3.49×10 <sup>-8</sup>	1.03	3.94×10 <sup>-11</sup>	0.99	0.21	1.05	2.29×10 <sup>-12</sup>
rs377958	5	hg19.chr5:g.87563388T>A	[TMEM161B]	A	T	0.97	4.51×10 <sup>-8</sup>	0.97	5.93×10 <sup>-11</sup>	1.01	0.22	0.95	3.03×10 <sup>-12</sup>
rs402114	5	hg19.chr5:g.87563923C>T	[TMEM161B]	T	C	0.97	4.50×10 <sup>-8</sup>	0.97	5.93×10 <sup>-11</sup>	1.01	0.22	0.95	3.06×10 <sup>-12</sup>
rs75214722	5	hg19.chr5:g.87565725C>T	[TMEM161B-AS1]	T	C	1.03	2.35×10 <sup>-8</sup>	1.03	2.47×10 <sup>-11</sup>	0.99	0.22	1.05	8.78×10 <sup>-13</sup>
rs12514004	5	hg19.chr5:g.87565796G>A	[TMEM161B-AS1]	A	G	1.03	3.92×10 <sup>-8</sup>	1.03	4.88×10 <sup>-11</sup>	0.99	0.22	1.05	2.58×10 <sup>-12</sup>
rs895295	5	hg19.chr5:g.87567346G>A	[TMEM161B-AS1]	A	G	1.03	2.40×10 <sup>-8</sup>	1.03	2.46×10 <sup>-11</sup>	0.99	0.22	1.05	8.92×10 <sup>-13</sup>
rs1823017	5	hg19.chr5:g.87568447C>G	[TMEM161B-AS1]	C	G	0.97	2.33×10 <sup>-8</sup>	0.97	2.48×10 <sup>-11</sup>	1.01	0.22	0.95	8.89×10 <sup>-13</sup>
rs768705	5	hg19.chr5:g.87568710A>G	[TMEM161B-AS1]	A	G	0.97	1.52×10 <sup>-8</sup>	0.97	1.33×10 <sup>-11</sup>	1.01	0.22	0.95	6.58×10 <sup>-13</sup>
rs16903040	5	hg19.chr5:g.87569037A>G	[TMEM161B-AS1]	A	G	0.97	2.33×10 <sup>-8</sup>	0.97	2.48×10 <sup>-11</sup>	1.01	0.22	0.95	8.90×10 <sup>-13</sup>
rs12163987	5	hg19.chr5:g.87572026A>G	[TMEM161B-AS1]	A	G	0.97	2.44×10 <sup>-8</sup>	0.97	2.47×10 <sup>-11</sup>	1.02	0.22	0.95	8.92×10 <sup>-13</sup>
rs61270009	5	hg19.chr5:g.87576139A>T	[TMEM161B-AS1]	A	T	0.97	2.52×10 <sup>-8</sup>	0.97	2.44×10 <sup>-11</sup>	1.02	0.21	0.95	8.92×10 <sup>-13</sup>
rs12657757	5	hg19.chr5:g.87576769T>C	[TMEM161B-AS1]	T	C	0.97	4.54×10 <sup>-8</sup>	0.97	5.31×10 <sup>-11</sup>	1.02	0.21	0.95	2.97×10 <sup>-12</sup>
rs4916897	5	hg19.chr5:g.87581588A>C	[TMEM161B-AS1]	A	C	0.97	4.87×10 <sup>-8</sup>	0.97	5.89×10 <sup>-11</sup>	1.02	0.21	0.95	3.03×10 <sup>-12</sup>
rs4916898	5	hg19.chr5:g.87586062G>A	[TMEM161B-AS1]	A	G	1.03	3.33×10 <sup>-8</sup>	1.03	6.59×10 <sup>-11</sup>	0.99	0.27	1.05	3.10×10 <sup>-12</sup>
rs4916899	5	hg19.chr5:g.87588026A>G	[TMEM161B-AS1]	A	G	0.97	4.81×10 <sup>-8</sup>	0.97	5.94×10 <sup>-11</sup>	1.01	0.22	0.95	3.11×10 <sup>-12</sup>
rs16903057	5	hg19.chr5:g.87588420T>C	[TMEM161B-AS1]	T	C	0.97	2.79×10 <sup>-8</sup>	0.97	2.70×10 <sup>-11</sup>	1.02	0.21	0.95	1.02×10 <sup>-12</sup>
rs34241164	5	hg19.chr5:g.87589006A>G	[TMEM161B-AS1]	A	G	0.97	2.82×10 <sup>-8</sup>	0.97	2.70×10 <sup>-11</sup>	1.02	0.21	0.95	9.64×10 <sup>-13</sup>
rs35300532	5	hg19.chr5:g.87589036G>C	[TMEM161B-AS1]	C	G	1.03	4.68×10 <sup>-8</sup>	1.03	6.00×10 <sup>-11</sup>	0.99	0.22	1.05	3.10×10 <sup>-12</sup>
rs13167796	5	hg19.chr5:g.87590501G>A	[TMEM161B-AS1]	A	G	1.03	2.69×10 <sup>-8</sup>	1.03	2.74×10 <sup>-11</sup>	0.99	0.22	1.05	9.74×10 <sup>-13</sup>
rs13172095	5	hg19.chr5:g.87590947G>A	[TMEM161B-AS1]	A	G	1.03	3.80×10 <sup>-8</sup>	1.03	4.46×10 <sup>-11</sup>	0.99	0.22	1.05	2.36×10 <sup>-12</sup>
rs13177755	5	hg19.chr5:g.87592237C>T	[TMEM161B-AS1]	T	C	1.03	2.68×10 <sup>-8</sup>	1.03	3.03×10 <sup>-11</sup>	0.99	0.22	1.05	1.18×10 <sup>-12</sup>
rs12659252	5	hg19.chr5:g.87593289G>A	[TMEM161B-AS1]	A	G	1.03	4.64×10 <sup>-8</sup>	1.03	6.05×10 <sup>-11</sup>	0.99	0.22	1.05	3.23×10 <sup>-12</sup>
rs1367233	5	hg19.chr5:g.87597012A>G	[TMEM161B-AS1]	A	G	0.97	4.05×10 <sup>-8</sup>	0.97	3.89×10 <sup>-11</sup>	1.02	0.21	0.95	2.13×10 <sup>-12</sup>
rs11740776	5	hg19.chr5:g.87599306T>A	[TMEM161B-AS1]	A	T	1.03	4.05×10 <sup>-8</sup>	1.03	3.89×10 <sup>-11</sup>	0.98	0.2	1.05	2.15×10 <sup>-12</sup>
rs13159835	5	hg19.chr5:g.87601393A>G	[TMEM161B-AS1]	A	G	0.97	2.40×10 <sup>-8</sup>	0.97	2.86×10 <sup>-11</sup>	1.01	0.24	0.95	1.03×10 <sup>-12</sup>
rs4916717	5	hg19.chr5:g.87601619G>A	[TMEM161B-AS1]	A	G	1.03	4.05×10 <sup>-8</sup>	1.03	3.89×10 <sup>-11</sup>	0.98	0.21	1.05	2.18×10 <sup>-12</sup>
rs6872223	5	hg19.chr5:g.87602372A>G	[TMEM161B-AS1]	A	G	0.97	4.85×10 <sup>-8</sup>	0.97	6.75×10 <sup>-11</sup>	1.01	0.23	0.95	3.42×10 <sup>-12</sup>
rs147762489	5	hg19.chr5:g.87603572C>T	[TMEM161B-AS1]	T	C	1.03	3.16×10 <sup>-8</sup>	1.03	2.63×10 <sup>-11</sup>	0.98	0.2	1.05	1.05×10 <sup>-12</sup>

rs4382978	5	hg19.chr5:g.87604588A>G	[TMEM161B-AS1]	A	G	0.97	4.09×10 <sup>-8</sup>	0.97	3.88×10 <sup>-11</sup>	1.02	0.2	0.95	2.21×10 <sup>-12</sup>
rs116005102	5	hg19.chr5:g.87605713T>G	[TMEM161B-AS1]	T	G	0.97	4.89×10 <sup>-8</sup>	0.97	6.73×10 <sup>-11</sup>	1.01	0.23	0.95	3.47×10 <sup>-12</sup>
rs12659578	5	hg19.chr5:g.87606209A>C	[TMEM161B-AS1]	A	C	0.97	3.00×10 <sup>-8</sup>	0.97	3.02×10 <sup>-11</sup>	1.01	0.22	0.95	1.13×10 <sup>-12</sup>
rs114023289	5	hg19.chr5:g.87608635C>T	[TMEM161B-AS1]	T	C	1.03	2.70×10 <sup>-8</sup>	1.03	3.11×10 <sup>-11</sup>	0.99	0.23	1.05	1.13×10 <sup>-12</sup>
rs2121102	5	hg19.chr5:g.87609356A>G	[TMEM161B-AS1]	A	G	0.97	3.14×10 <sup>-8</sup>	0.97	7.03×10 <sup>-11</sup>	1.01	0.26	0.95	3.52×10 <sup>-12</sup>
rs10942528	5	hg19.chr5:g.87609915T>C	[TMEM161B-AS1]	T	C	0.97	3.04×10 <sup>-8</sup>	0.97	3.02×10 <sup>-11</sup>	1.01	0.22	0.95	1.08×10 <sup>-12</sup>
rs13190179	5	hg19.chr5:g.87610572A>T	[TMEM161B-AS1]	A	T	0.97	3.34×10 <sup>-8</sup>	0.97	2.97×10 <sup>-11</sup>	1.02	0.21	0.95	1.08×10 <sup>-12</sup>
rs11738675	5	hg19.chr5:g.87611177A>T	[TMEM161B-AS1]	A	T	0.97	3.06×10 <sup>-8</sup>	0.97	3.02×10 <sup>-11</sup>	1.01	0.22	0.95	1.09×10 <sup>-12</sup>
rs60331678	5	hg19.chr5:g.87611364G>A	[TMEM161B-AS1]	A	G	1.03	3.06×10 <sup>-8</sup>	1.03	3.02×10 <sup>-11</sup>	0.99	0.22	1.05	1.09×10 <sup>-12</sup>
rs10462333	5	hg19.chr5:g.87611688G>T	[TMEM161B-AS1]	T	G	1.03	3.05×10 <sup>-8</sup>	1.03	3.03×10 <sup>-11</sup>	0.99	0.22	1.05	1.18×10 <sup>-12</sup>
rs4916718	5	hg19.chr5:g.87612642C>T	[TMEM161B-AS1]	T	C	1.03	4.94×10 <sup>-8</sup>	1.03	5.24×10 <sup>-11</sup>	0.98	0.2	1.05	2.15×10 <sup>-12</sup>
rs6872897	5	hg19.chr5:g.87618065A>G	[TMEM161B-AS1]	A	G	0.97	3.03×10 <sup>-8</sup>	0.97	3.04×10 <sup>-11</sup>	1.01	0.22	0.95	1.13×10 <sup>-12</sup>
rs16903077	5	hg19.chr5:g.87618825G>A	[TMEM161B-AS1]	A	G	1.03	3.61×10 <sup>-8</sup>	1.03	2.85×10 <sup>-11</sup>	0.98	0.2	1.05	1.14×10 <sup>-12</sup>
rs2305104	5	hg19.chr5:g.87620670T>C	[TMEM161B-AS1]	T	C	0.97	4.69×10 <sup>-8</sup>	0.97	4.21×10 <sup>-11</sup>	1.02	0.2	0.95	2.46×10 <sup>-12</sup>
rs4916719	5	hg19.chr5:g.87623661C>T	[TMEM161B-AS1]	T	C	1.03	4.92×10 <sup>-8</sup>	1.03	4.69×10 <sup>-11</sup>	0.98	0.2	1.05	2.72×10 <sup>-12</sup>
rs71639105	5	hg19.chr5:g.87630024G>A	[TMEM161B-AS1]	A	G	1.03	3.00×10 <sup>-8</sup>	1.03	3.67×10 <sup>-11</sup>	0.99	0.22	1.05	1.36×10 <sup>-12</sup>
rs10462472	5	hg19.chr5:g.87642469A>G	[TMEM161B-AS1]	A	G	0.97	3.50×10 <sup>-8</sup>	0.97	3.34×10 <sup>-11</sup>	1.01	0.22	0.95	1.28×10 <sup>-12</sup>
rs138741539	5	hg19.chr5:g.87645509A>G	[TMEM161B-AS1]	A	G	0.97	3.49×10 <sup>-8</sup>	0.97	3.35×10 <sup>-11</sup>	1.01	0.22	0.95	1.29×10 <sup>-12</sup>
rs71639107	5	hg19.chr5:g.87646127A>G	[TMEM161B-AS1]	A	G	0.97	3.85×10 <sup>-8</sup>	0.97	3.09×10 <sup>-11</sup>	1.02	0.19	0.95	1.29×10 <sup>-12</sup>
rs11748798	5	hg19.chr5:g.87650742G>T	[TMEM161B-AS1]	T	G	1.03	3.78×10 <sup>-8</sup>	1.03	3.69×10 <sup>-11</sup>	0.99	0.22	1.05	1.35×10 <sup>-12</sup>
rs11740836	5	hg19.chr5:g.87652128T>C	[TMEM161B-AS1]	T	C	0.97	3.83×10 <sup>-8</sup>	0.97	3.68×10 <sup>-11</sup>	1.01	0.22	0.95	1.37×10 <sup>-12</sup>
rs13154590	5	hg19.chr5:g.87653025A>G	[TMEM161B-AS1]	A	G	0.97	3.87×10 <sup>-8</sup>	0.97	3.65×10 <sup>-11</sup>	1.02	0.21	0.95	1.39×10 <sup>-12</sup>
rs2115884	5	hg19.chr5:g.87654656A>G	[TMEM161B-AS1]	A	G	0.97	3.60×10 <sup>-8</sup>	0.97	3.33×10 <sup>-11</sup>	1.01	0.22	0.95	1.25×10 <sup>-12</sup>
rs13189889	5	hg19.chr5:g.87661406T>C	[TMEM161B-AS1]	T	C	0.97	3.67×10 <sup>-8</sup>	0.97	2.93×10 <sup>-11</sup>	1.02	0.21	0.95	1.16×10 <sup>-12</sup>
rs10514299	5	hg19.chr5:g.87663610C>T	[TMEM161B-AS1]	T	C	1.03	3.97×10 <sup>-8</sup>	1.03	2.88×10 <sup>-11</sup>	0.98	0.2	1.05	1.11×10 <sup>-12</sup>
rs13171573	5	hg19.chr5:g.87679442C>G	[TMEM161B-AS1]	C	G	0.97	3.72×10 <sup>-8</sup>	0.97	3.72×10 <sup>-11</sup>	1.01	0.22	0.95	1.42×10 <sup>-12</sup>
rs17548339	5	hg19.chr5:g.87687578T>G	[TMEM161B-AS1]	T	G	0.97	3.69×10 <sup>-8</sup>	0.97	4.17×10 <sup>-11</sup>	1.01	0.23	0.95	1.65×10 <sup>-12</sup>
rs34148755	5	hg19.chr5:g.87689947G>T	[TMEM161B-AS1]	T	G	1.03	3.49×10 <sup>-8</sup>	1.03	4.25×10 <sup>-11</sup>	0.99	0.24	1.05	1.67×10 <sup>-12</sup>
rs16903122	5	hg19.chr5:g.87693561C>T	[TMEM161B-AS1]	T	C	1.03	3.98×10 <sup>-8</sup>	1.03	5.17×10 <sup>-11</sup>	0.99	0.24	1.05	1.99×10 <sup>-12</sup>
rs10514300	5	hg19.chr5:g.87705282T>C	[TMEM161B-AS1]	T	C	0.97	4.29×10 <sup>-8</sup>	0.97	6.40×10 <sup>-11</sup>	1.01	0.25	0.95	2.33×10 <sup>-12</sup>
rs3733809	5	hg19.chr5:g.87705929A>C	[TMEM161B-AS1]	A	C	0.97	3.56×10 <sup>-8</sup>	0.97	6.72×10 <sup>-11</sup>	1.01	0.28	0.95	2.42×10 <sup>-12</sup>
rs78657590	8	hg19.chr8:g.25374102T>G	CDCA2-[ ]--EBF2	T	G	0.92	2.93×10 <sup>-8</sup>	0.92	3.74×10 <sup>-8</sup>	0.93	9.49×10 <sup>-3</sup>	0.92	1.17×10 <sup>-6</sup>
rs2012485	8	hg19.chr8:g.25374910C>T	CDCA2-[ ]--EBF2	T	C	1.08	2.75×10 <sup>-8</sup>	1.08	3.55×10 <sup>-8</sup>	1.08	8.89×10 <sup>-3</sup>	1.08	1.18×10 <sup>-6</sup>
rs906251	8	hg19.chr8:g.25375020C>T	CDCA2-[ ]--EBF2	T	C	1.08	3.18×10 <sup>-8</sup>	1.08	4.02×10 <sup>-8</sup>	1.08	0.02	1.09	6.71×10 <sup>-7</sup>
rs77725582	8	hg19.chr8:g.25382682T>A	CDCA2-[ ]--EBF2	A	T	1.09	1.50×10 <sup>-8</sup>	1.09	2.10×10 <sup>-8</sup>	1.08	8.71×10 <sup>-3</sup>	1.09	5.99×10 <sup>-7</sup>
rs146394337	8	hg19.chr8:g.25383635C>T	CDCA2-[ ]--EBF2	T	C	1.09	1.45×10 <sup>-8</sup>	1.09	2.06×10 <sup>-8</sup>	1.08	8.69×10 <sup>-3</sup>	1.09	5.89×10 <sup>-7</sup>
rs146377178	8	hg19.chr8:g.25386973C>T	CDCA2-[ ]--EBF2	T	C	1.09	7.41×10 <sup>-9</sup>	1.09	1.05×10 <sup>-8</sup>	1.09	4.24×10 <sup>-3</sup>	1.09	6.13×10 <sup>-7</sup>
rs61298280	8	hg19.chr8:g.25389082C>A	CDCA2-[ ]--EBF2	A	C	1.09	9.90×10 <sup>-9</sup>	1.09	1.46×10 <sup>-8</sup>	1.09	5.80×10 <sup>-3</sup>	1.09	5.80×10 <sup>-7</sup>
rs76990569	8	hg19.chr8:g.25400025C>T	CDCA2-[ ]--EBF2	T	C	1.09	1.36×10 <sup>-8</sup>	1.09	1.95×10 <sup>-8</sup>	1.08	8.34×10 <sup>-3</sup>	1.09	5.37×10 <sup>-7</sup>
rs78482505	8	hg19.chr8:g.25402770G>A	CDCA2-[ ]--EBF2	A	G	1.08	1.82×10 <sup>-8</sup>	1.08	2.50×10 <sup>-8</sup>	1.08	7.24×10 <sup>-3</sup>	1.08	9.10×10 <sup>-7</sup>
rs59537220	8	hg19.chr8:g.25404812C>T	CDCA2-[ ]--EBF2	T	C	1.08	1.82×10 <sup>-8</sup>	1.08	2.49×10 <sup>-8</sup>	1.08	7.23×10 <sup>-3</sup>	1.09	9.15×10 <sup>-7</sup>



rs80234684	8	hg19.chr8:g.25417238G>T	CDCA2-[ ]--EBF2	T	G	1.09	1.38×10 <sup>-8</sup>	1.09	1.99×10 <sup>-8</sup>	1.08	8.45×10 <sup>-3</sup>	1.09	5.94×10 <sup>-7</sup>
rs75070066	8	hg19.chr8:g.25417489A>G	CDCA2-[ ]--EBF2	A	G	0.92	1.38×10 <sup>-8</sup>	0.92	2.00×10 <sup>-8</sup>	0.92	8.48×10 <sup>-3</sup>	0.92	5.96×10 <sup>-7</sup>
rs79464896	8	hg19.chr8:g.25419294C>A	CDCA2-[ ]--EBF2	A	C	1.09	2.18×10 <sup>-8</sup>	1.09	2.93×10 <sup>-8</sup>	1.08	7.26×10 <sup>-3</sup>	1.09	1.01×10 <sup>-6</sup>
rs4625044	8	hg19.chr8:g.25420779G>A	CDCA2-[ ]--EBF2	A	G	1.09	1.52×10 <sup>-8</sup>	1.09	2.12×10 <sup>-8</sup>	1.08	8.21×10 <sup>-3</sup>	1.09	6.07×10 <sup>-7</sup>
rs76833264	8	hg19.chr8:g.25428178G>C	CDCA2-[ ]--EBF2	C	G	1.09	1.32×10 <sup>-8</sup>	1.09	1.90×10 <sup>-8</sup>	1.09	5.66×10 <sup>-3</sup>	1.09	8.03×10 <sup>-7</sup>
rs79801404	8	hg19.chr8:g.25439340G>A	CDCA2-[ ]--EBF2	A	G	1.09	3.85×10 <sup>-8</sup>	1.09	4.77×10 <sup>-8</sup>	1.08	0.01	1.09	1.21×10 <sup>-6</sup>
rs139445075	8	hg19.chr8:g.25444315C>G	CDCA2-[ ]--EBF2	C	G	0.92	4.81×10 <sup>-8</sup>	0.92	5.74×10 <sup>-8</sup>	0.91	0.01	0.92	1.78×10 <sup>-6</sup>
rs6476606	9	hg19.chr9:g.37005561A>G	[ ]-PAX5	A	G	1.03	2.52×10 <sup>-8</sup>	1.03	3.35×10 <sup>-8</sup>	1.04	2.98×10 <sup>-4</sup>	1.03	1.50×10 <sup>-5</sup>
rs9408284	9	hg19.chr9:g.37008041T>G	[ ]-PAX5	T	G	1.03	3.70×10 <sup>-8</sup>	1.03	4.61×10 <sup>-8</sup>	1.04	2.44×10 <sup>-4</sup>	1.03	2.24×10 <sup>-5</sup>
rs7032647	9	hg19.chr9:g.37008407T>C	[ ]-PAX5	T	C	1.03	2.98×10 <sup>-8</sup>	1.03	3.78×10 <sup>-8</sup>	1.04	1.31×10 <sup>-4</sup>	1.03	2.86×10 <sup>-5</sup>
rs1888018	9	hg19.chr9:g.37008984A>T	[ ]-PAX5	A	T	1.03	2.64×10 <sup>-8</sup>	1.03	3.46×10 <sup>-8</sup>	1.04	1.55×10 <sup>-4</sup>	1.03	2.16×10 <sup>-5</sup>
rs7036879	9	hg19.chr9:g.37009386T>C	[ ]-PAX5	T	C	1.03	2.62×10 <sup>-8</sup>	1.03	3.45×10 <sup>-8</sup>	1.04	1.54×10 <sup>-4</sup>	1.03	2.15×10 <sup>-5</sup>
rs999510	9	hg19.chr9:g.37010574T>C	[ ]-PAX5	T	C	1.03	4.17×10 <sup>-8</sup>	1.03	5.05×10 <sup>-8</sup>	1.04	1.71×10 <sup>-4</sup>	1.03	3.13×10 <sup>-5</sup>
rs1232050	11	hg19.chr11:g.30798288G>C	[ ]-DCDC1	C	G	1.03	1.22×10 <sup>-8</sup>	1.03	1.78×10 <sup>-8</sup>	1.05	8.86×10 <sup>-5</sup>	1.03	8.34×10 <sup>-6</sup>
rs614943	11	hg19.chr11:g.30806623T>C	[ ]-DCDC1	T	C	0.97	4.22×10 <sup>-8</sup>	0.97	5.10×10 <sup>-8</sup>	0.96	7.06×10 <sup>-4</sup>	0.97	1.17×10 <sup>-5</sup>
rs607165	11	hg19.chr11:g.30810059T>C	[ ]-DCDC1	T	C	0.97	2.65×10 <sup>-8</sup>	0.97	3.47×10 <sup>-8</sup>	0.96	5.93×10 <sup>-4</sup>	0.97	8.47×10 <sup>-6</sup>
rs1232046	11	hg19.chr11:g.30811529A>G	[ ]-DCDC1	A	G	0.97	3.72×10 <sup>-8</sup>	0.97	4.63×10 <sup>-8</sup>	0.96	6.68×10 <sup>-4</sup>	0.97	1.04×10 <sup>-5</sup>
rs911267	11	hg19.chr11:g.30814329G>A	[ ]-DCDC1	A	G	1.03	3.24×10 <sup>-8</sup>	1.03	4.09×10 <sup>-8</sup>	1.04	8.10×10 <sup>-4</sup>	1.03	7.68×10 <sup>-6</sup>
rs1232043	11	hg19.chr11:g.30814687G>A	[ ]-DCDC1	A	G	1.03	2.93×10 <sup>-8</sup>	1.03	3.73×10 <sup>-8</sup>	1.04	7.92×10 <sup>-4</sup>	1.03	6.87×10 <sup>-6</sup>
rs7128775	11	hg19.chr11:g.30816001A>T	[ ]-DCDC1	A	T	0.97	3.93×10 <sup>-8</sup>	0.97	4.85×10 <sup>-8</sup>	0.96	1.16×10 <sup>-3</sup>	0.97	7.03×10 <sup>-6</sup>
rs911266	11	hg19.chr11:g.30817439T>C	[ ]-DCDC1	T	C	0.97	2.84×10 <sup>-8</sup>	0.97	3.66×10 <sup>-8</sup>	0.96	7.66×10 <sup>-4</sup>	0.97	7.03×10 <sup>-6</sup>
rs4520568	11	hg19.chr11:g.30824829G>A	[ ]-DCDC1	A	G	1.03	4.19×10 <sup>-8</sup>	1.03	5.07×10 <sup>-8</sup>	1.04	7.73×10 <sup>-4</sup>	1.03	9.22×10 <sup>-6</sup>
rs10488798	11	hg19.chr11:g.30825179C>G	[ ]-DCDC1	C	G	0.97	3.64×10 <sup>-8</sup>	0.97	4.54×10 <sup>-8</sup>	0.96	7.15×10 <sup>-4</sup>	0.97	8.43×10 <sup>-6</sup>
rs7941073	11	hg19.chr11:g.30826497A>G	[ ]-DCDC1	A	G	0.97	4.42×10 <sup>-8</sup>	0.97	5.32×10 <sup>-8</sup>	0.96	7.50×10 <sup>-4</sup>	0.97	9.71×10 <sup>-6</sup>
rs75411314	11	hg19.chr11:g.30828136G>A	[ ]-DCDC1	A	G	0.97	2.80×10 <sup>-8</sup>	0.97	3.60×10 <sup>-8</sup>	0.96	3.93×10 <sup>-4</sup>	0.97	1.02×10 <sup>-5</sup>
rs2145795	11	hg19.chr11:g.30831065A>G	[ ]-DCDC1	A	G	1.03	2.53×10 <sup>-8</sup>	1.03	3.36×10 <sup>-8</sup>	1.04	7.69×10 <sup>-4</sup>	1.03	7.90×10 <sup>-6</sup>
rs1349161	11	hg19.chr11:g.30831859A>G	[ ]-DCDC1	A	G	1.03	3.34×10 <sup>-8</sup>	1.03	4.19×10 <sup>-8</sup>	1.04	8.04×10 <sup>-4</sup>	1.03	9.85×10 <sup>-6</sup>
rs7950105	11	hg19.chr11:g.30837058T>C	[ ]-DCDC1	T	C	1.03	4.75×10 <sup>-8</sup>	1.03	5.68×10 <sup>-8</sup>	1.04	1.11×10 <sup>-3</sup>	1.03	1.08×10 <sup>-5</sup>
rs978751	11	hg19.chr11:g.30838689G>A	[ ]-DCDC1	A	G	0.97	1.91×10 <sup>-8</sup>	0.97	2.62×10 <sup>-8</sup>	0.97	1.10×10 <sup>-3</sup>	0.97	4.85×10 <sup>-6</sup>
rs539352	11	hg19.chr11:g.30838904C>A	[ ]-DCDC1	A	C	0.97	1.89×10 <sup>-8</sup>	0.97	2.60×10 <sup>-8</sup>	0.97	1.09×10 <sup>-3</sup>	0.97	4.69×10 <sup>-6</sup>
rs505613	11	hg19.chr11:g.30840249T>G	[ ]-DCDC1	T	G	1.03	1.34×10 <sup>-8</sup>	1.03	1.93×10 <sup>-8</sup>	1.04	1.09×10 <sup>-3</sup>	1.03	3.55×10 <sup>-6</sup>
rs527919	11	hg19.chr11:g.30842942T>C	[ ]-DCDC1	T	C	1.03	1.43×10 <sup>-8</sup>	1.03	2.04×10 <sup>-8</sup>	1.04	1.06×10 <sup>-3</sup>	1.03	3.79×10 <sup>-6</sup>
rs526953	11	hg19.chr11:g.30843048G>A	[ ]-DCDC1	A	G	0.97	1.61×10 <sup>-8</sup>	0.97	2.26×10 <sup>-8</sup>	0.97	8.97×10 <sup>-4</sup>	0.97	4.87×10 <sup>-6</sup>
rs649714	11	hg19.chr11:g.30843457A>G	[ ]-DCDC1	A	G	1.03	2.46×10 <sup>-8</sup>	1.03	3.27×10 <sup>-8</sup>	1.04	1.11×10 <sup>-3</sup>	1.03	6.02×10 <sup>-6</sup>
rs67243215	11	hg19.chr11:g.30846091C>T	[ ]-DCDC1	T	C	0.97	1.92×10 <sup>-8</sup>	0.97	2.63×10 <sup>-8</sup>	0.97	1.12×10 <sup>-3</sup>	0.97	4.88×10 <sup>-6</sup>
rs650602	11	hg19.chr11:g.30849863G>A	[ ]-DCDC1	A	G	0.97	1.74×10 <sup>-8</sup>	0.97	2.42×10 <sup>-8</sup>	0.97	1.11×10 <sup>-3</sup>	0.97	4.20×10 <sup>-6</sup>
rs514320	11	hg19.chr11:g.30851403A>C	[ ]-DCDC1	A	C	1.03	2.41×10 <sup>-8</sup>	1.03	3.22×10 <sup>-8</sup>	1.03	1.98×10 <sup>-3</sup>	1.03	3.66×10 <sup>-6</sup>
rs3741025	11	hg19.chr11:g.30851976C>T	[ ]-DCDC1	T	C	0.97	8.46×10 <sup>-9</sup>	0.97	1.20×10 <sup>-8</sup>	0.96	7.95×10 <sup>-4</sup>	0.97	2.53×10 <sup>-6</sup>
rs620339	11	hg19.chr11:g.30852056C>T	[ ]-DCDC1	T	C	0.97	1.39×10 <sup>-8</sup>	0.97	2.00×10 <sup>-8</sup>	0.97	1.69×10 <sup>-3</sup>	0.97	2.52×10 <sup>-6</sup>
rs1005019	11	hg19.chr11:g.30852782C>A	[ ]-DCDC1	A	C	0.97	2.05×10 <sup>-8</sup>	0.97	2.75×10 <sup>-8</sup>	0.97	1.64×10 <sup>-3</sup>	0.97	3.70×10 <sup>-6</sup>
rs11031225	11	hg19.chr11:g.30873739T>G	[ ]-DCDC1	T	G	1.03	1.75×10 <sup>-8</sup>	1.03	2.42×10 <sup>-8</sup>	1.03	1.51×10 <sup>-3</sup>	1.03	3.30×10 <sup>-6</sup>

rs10767879	11	hg19.chr11:g.30874669C>T	[ ]-DCDC1	T	C	0.97	1.83×10 <sup>-8</sup>	0.97	2.51×10 <sup>-8</sup>	0.97	1.59×10 <sup>-3</sup>	0.97	3.29×10 <sup>-6</sup>
rs10767880	11	hg19.chr11:g.30874751T>C	[ ]-DCDC1	T	C	1.03	1.83×10 <sup>-8</sup>	1.03	2.51×10 <sup>-8</sup>	1.03	1.59×10 <sup>-3</sup>	1.03	3.28×10 <sup>-6</sup>
rs897605	11	hg19.chr11:g.30881001T>C	[ ]-DCDC1	T	C	1.03	1.73×10 <sup>-8</sup>	1.03	2.41×10 <sup>-8</sup>	1.03	1.49×10 <sup>-3</sup>	1.03	3.40×10 <sup>-6</sup>
rs7117695	11	hg19.chr11:g.30891382C>G	[DCDC1]	C	G	1.03	1.80×10 <sup>-8</sup>	1.03	2.46×10 <sup>-8</sup>	1.03	1.71×10 <sup>-3</sup>	1.03	3.01×10 <sup>-6</sup>
rs1448938	11	hg19.chr11:g.30892824A>G	[DCDC1]	A	G	1.03	1.20×10 <sup>-8</sup>	1.03	1.75×10 <sup>-8</sup>	1.03	1.56×10 <sup>-3</sup>	1.03	2.17×10 <sup>-6</sup>
rs10835717	11	hg19.chr11:g.30895245A>G	[DCDC1]	A	G	1.03	1.24×10 <sup>-8</sup>	1.03	1.80×10 <sup>-8</sup>	1.03	1.62×10 <sup>-3</sup>	1.03	2.21×10 <sup>-6</sup>
rs921880	11	hg19.chr11:g.30899309C>T	[DCDC1]	T	C	0.97	1.08×10 <sup>-8</sup>	0.97	1.59×10 <sup>-8</sup>	0.97	1.38×10 <sup>-3</sup>	0.97	2.22×10 <sup>-6</sup>
rs10742253	11	hg19.chr11:g.30908020T>C	[DCDC1]	T	C	1.03	1.16×10 <sup>-8</sup>	1.03	1.71×10 <sup>-8</sup>	1.03	1.51×10 <sup>-3</sup>	1.03	2.26×10 <sup>-6</sup>
rs9300006	11	hg19.chr11:g.30916680A>G	[DCDC1]	A	G	1.03	8.45×10 <sup>-9</sup>	1.03	1.19×10 <sup>-8</sup>	1.04	8.46×10 <sup>-4</sup>	1.03	2.81×10 <sup>-6</sup>
rs630964	11	hg19.chr11:g.30918413G>A	[DCDC1]	A	G	0.97	1.02×10 <sup>-8</sup>	0.97	1.51×10 <sup>-8</sup>	0.97	8.65×10 <sup>-4</sup>	0.97	3.13×10 <sup>-6</sup>
rs485171	11	hg19.chr11:g.30918487A>G	[DCDC1]	A	G	1.03	1.01×10 <sup>-8</sup>	1.03	1.51×10 <sup>-8</sup>	1.04	9.53×10 <sup>-4</sup>	1.03	2.99×10 <sup>-6</sup>
rs672931	11	hg19.chr11:g.30920897T>C	[DCDC1]	T	C	1.03	7.01×10 <sup>-9</sup>	1.03	9.95×10 <sup>-9</sup>	1.04	8.27×10 <sup>-4</sup>	1.03	2.34×10 <sup>-6</sup>
rs11031242	11	hg19.chr11:g.30938083A>G	[DCDC1]	A	G	1.03	1.11×10 <sup>-8</sup>	1.03	1.64×10 <sup>-8</sup>	1.04	7.04×10 <sup>-4</sup>	1.03	4.02×10 <sup>-6</sup>
rs4067985	11	hg19.chr11:g.30948980A>G	[DCDC1]	A	G	1.03	1.35×10 <sup>-8</sup>	1.03	1.95×10 <sup>-8</sup>	1.04	8.13×10 <sup>-4</sup>	1.03	4.55×10 <sup>-6</sup>
rs10835725	11	hg19.chr11:g.30951958A>T	[DCDC1]	A	T	1.03	1.14×10 <sup>-8</sup>	1.03	1.69×10 <sup>-8</sup>	1.04	5.91×10 <sup>-4</sup>	1.03	4.64×10 <sup>-6</sup>
rs10835727	11	hg19.chr11:g.30956865T>G	[DCDC1]	T	G	1.03	8.49×10 <sup>-9</sup>	1.03	1.20×10 <sup>-8</sup>	1.04	3.94×10 <sup>-4</sup>	1.03	4.89×10 <sup>-6</sup>
rs7933651	11	hg19.chr11:g.30967071C>T	[DCDC1]	T	C	0.97	1.73×10 <sup>-8</sup>	0.97	2.40×10 <sup>-8</sup>	0.97	9.92×10 <sup>-4</sup>	0.97	4.72×10 <sup>-6</sup>
rs163875	11	hg19.chr11:g.30969488T>C	[DCDC1]	T	C	1.03	1.28×10 <sup>-8</sup>	1.03	1.85×10 <sup>-8</sup>	1.04	8.38×10 <sup>-4</sup>	1.03	4.24×10 <sup>-6</sup>
rs163871	11	hg19.chr11:g.30972246C>G	[DCDC1]	C	G	1.03	1.83×10 <sup>-8</sup>	1.03	2.50×10 <sup>-8</sup>	1.04	9.61×10 <sup>-4</sup>	1.03	5.29×10 <sup>-6</sup>
rs10835728	11	hg19.chr11:g.30973114G>A	[DCDC1]	A	G	0.97	1.31×10 <sup>-8</sup>	0.97	1.88×10 <sup>-8</sup>	0.97	8.64×10 <sup>-4</sup>	0.97	4.02×10 <sup>-6</sup>
rs1858039	11	hg19.chr11:g.30973400T>C	[DCDC1]	T	C	1.03	1.30×10 <sup>-8</sup>	1.03	1.87×10 <sup>-8</sup>	1.04	8.57×10 <sup>-4</sup>	1.03	4.02×10 <sup>-6</sup>
rs10767883	11	hg19.chr11:g.30974203T>A	[DCDC1]	A	T	0.97	1.29×10 <sup>-8</sup>	0.97	1.87×10 <sup>-8</sup>	0.97	8.54×10 <sup>-4</sup>	0.97	4.04×10 <sup>-6</sup>
rs1848393	11	hg19.chr11:g.30975626G>A	[DCDC1]	A	G	0.97	1.65×10 <sup>-8</sup>	0.97	2.31×10 <sup>-8</sup>	0.97	9.37×10 <sup>-4</sup>	0.97	4.67×10 <sup>-6</sup>
rs163868	11	hg19.chr11:g.30979071T>C	[DCDC1]	T	C	1.03	2.84×10 <sup>-8</sup>	1.03	3.65×10 <sup>-8</sup>	1.04	8.20×10 <sup>-4</sup>	1.03	8.43×10 <sup>-6</sup>
rs163867	11	hg19.chr11:g.30980983G>A	[DCDC1]	A	G	0.97	1.87×10 <sup>-8</sup>	0.97	2.57×10 <sup>-8</sup>	0.97	8.09×10 <sup>-4</sup>	0.97	5.90×10 <sup>-6</sup>
rs7117074	11	hg19.chr11:g.30986087A>C	[DCDC1]	A	C	1.03	8.75×10 <sup>-9</sup>	1.03	1.24×10 <sup>-8</sup>	1.04	7.21×10 <sup>-4</sup>	1.03	3.24×10 <sup>-6</sup>
rs163860	11	hg19.chr11:g.30990100C>T	[DCDC1]	T	C	0.97	1.78×10 <sup>-8</sup>	0.97	2.44×10 <sup>-8</sup>	0.97	8.42×10 <sup>-4</sup>	0.97	5.37×10 <sup>-6</sup>
rs10767884	11	hg19.chr11:g.30990568A>G	[DCDC1]	A	G	1.03	1.40×10 <sup>-8</sup>	1.03	2.01×10 <sup>-8</sup>	1.04	7.70×10 <sup>-4</sup>	1.03	4.64×10 <sup>-6</sup>
rs10835732	11	hg19.chr11:g.30990979C>T	[DCDC1]	T	C	0.97	1.09×10 <sup>-8</sup>	0.97	1.61×10 <sup>-8</sup>	0.97	7.68×10 <sup>-4</sup>	0.97	3.71×10 <sup>-6</sup>
rs291146	11	hg19.chr11:g.30993633T>C	[DCDC1]	T	C	1.03	1.75×10 <sup>-8</sup>	1.03	2.42×10 <sup>-8</sup>	1.04	9.17×10 <sup>-4</sup>	1.03	4.85×10 <sup>-6</sup>
rs291144	11	hg19.chr11:g.30994753C>A	[DCDC1]	A	C	0.97	1.55×10 <sup>-8</sup>	0.97	2.16×10 <sup>-8</sup>	0.97	7.68×10 <sup>-4</sup>	0.97	4.08×10 <sup>-6</sup>
rs291142	11	hg19.chr11:g.30995723A>C	[DCDC1]	A	C	1.03	9.96×10 <sup>-9</sup>	1.03	1.47×10 <sup>-8</sup>	1.04	7.63×10 <sup>-4</sup>	1.03	3.65×10 <sup>-6</sup>
rs7930606	11	hg19.chr11:g.30996872C>T	[DCDC1]	T	C	0.97	1.09×10 <sup>-8</sup>	0.97	1.61×10 <sup>-8</sup>	0.97	7.69×10 <sup>-4</sup>	0.97	3.68×10 <sup>-6</sup>
rs290095	11	hg19.chr11:g.30999462C>G	[DCDC1]	C	G	1.03	1.75×10 <sup>-8</sup>	1.03	2.42×10 <sup>-8</sup>	1.04	9.18×10 <sup>-4</sup>	1.03	4.82×10 <sup>-6</sup>
rs11031259	11	hg19.chr11:g.30999824G>T	[DCDC1]	T	G	0.97	1.17×10 <sup>-8</sup>	0.97	1.72×10 <sup>-8</sup>	0.97	6.89×10 <sup>-4</sup>	0.97	4.17×10 <sup>-6</sup>
rs1848394	11	hg19.chr11:g.31009078A>G	[DCDC1]	A	G	1.03	2.89×10 <sup>-8</sup>	1.03	3.70×10 <sup>-8</sup>	1.03	1.85×10 <sup>-3</sup>	1.03	4.22×10 <sup>-6</sup>
rs9667150	11	hg19.chr11:g.31010455G>A	[DCDC1]	A	G	0.97	2.91×10 <sup>-8</sup>	0.97	3.72×10 <sup>-8</sup>	0.97	1.87×10 <sup>-3</sup>	0.97	4.26×10 <sup>-6</sup>
rs290108	11	hg19.chr11:g.31010962C>T	[DCDC1]	T	C	0.97	3.67×10 <sup>-8</sup>	0.97	4.57×10 <sup>-8</sup>	0.97	2.24×10 <sup>-3</sup>	0.97	4.55×10 <sup>-6</sup>
rs290107	11	hg19.chr11:g.31011448A>G	[DCDC1]	A	G	1.03	3.05×10 <sup>-8</sup>	1.03	3.85×10 <sup>-8</sup>	1.03	1.98×10 <sup>-3</sup>	1.03	4.40×10 <sup>-6</sup>
rs290106	11	hg19.chr11:g.31012288G>T	[DCDC1]	T	G	0.97	3.78×10 <sup>-8</sup>	0.97	4.70×10 <sup>-8</sup>	0.97	3.04×10 <sup>-3</sup>	0.97	3.56×10 <sup>-6</sup>
rs290104	11	hg19.chr11:g.31013449C>A	[DCDC1]	A	C	0.97	3.81×10 <sup>-8</sup>	0.97	4.73×10 <sup>-8</sup>	0.97	3.07×10 <sup>-3</sup>	0.97	3.76×10 <sup>-6</sup>

rs7113971	11	hg19.chr11:g.31013668A>G	[DCDC1]	A	G	1.03	3.98×10 <sup>-8</sup>	1.03	4.90×10 <sup>-8</sup>	1.03	2.68×10 <sup>-3</sup>	1.03	4.35×10 <sup>-6</sup>
rs290102	11	hg19.chr11:g.31015497C>T	[DCDC1]	T	C	0.97	2.58×10 <sup>-8</sup>	0.97	3.43×10 <sup>-8</sup>	0.97	2.59×10 <sup>-3</sup>	0.97	3.06×10 <sup>-6</sup>
rs10767885	11	hg19.chr11:g.31018028A>T	[DCDC1]	A	T	1.03	3.48×10 <sup>-8</sup>	1.03	4.35×10 <sup>-8</sup>	1.03	2.28×10 <sup>-3</sup>	1.03	4.28×10 <sup>-6</sup>
rs7991623	13	hg19.chr13:g.53617781A>G	[OLFM4]	A	G	1.03	3.40×10 <sup>-9</sup>	1.03	1.52×10 <sup>-9</sup>	1.01	0.53	1.04	1.34×10 <sup>-10</sup>
rs4886119	13	hg19.chr13:g.53620117G>A	[OLFM4]	A	G	0.97	3.63×10 <sup>-9</sup>	0.97	1.45×10 <sup>-9</sup>	0.99	0.56	0.96	1.16×10 <sup>-10</sup>
rs1343611	13	hg19.chr13:g.53622872G>A	[OLFM4]	A	G	0.97	2.36×10 <sup>-9</sup>	0.97	1.07×10 <sup>-9</sup>	0.99	0.51	0.96	1.02×10 <sup>-10</sup>
rs12552	13	hg19.chr13:g.53625781A>G	[OLFM4]	A	G	1.04	5.19×10 <sup>-13</sup>	1.04	6.94×10 <sup>-13</sup>	1.02	0.07	1.05	2.68×10 <sup>-13</sup>
rs2806933	13	hg19.chr13:g.53643370A>C	OLFM4-[ ]--LINC01065	A	C	1.04	1.32×10 <sup>-12</sup>	1.04	9.24×10 <sup>-13</sup>	1.01	0.18	1.05	1.81×10 <sup>-13</sup>
rs2806942	13	hg19.chr13:g.53644656C>A	OLFM4-[ ]--LINC01065	A	C	0.96	1.17×10 <sup>-11</sup>	0.96	4.99×10 <sup>-12</sup>	0.99	0.32	0.96	5.72×10 <sup>-13</sup>
rs1343607	13	hg19.chr13:g.53645448A>G	OLFM4-[ ]--LINC01065	A	G	1.04	1.19×10 <sup>-11</sup>	1.04	4.96×10 <sup>-12</sup>	1.01	0.32	1.05	3.87×10 <sup>-13</sup>
rs2806946	13	hg19.chr13:g.53645933A>T	OLFM4-[ ]--LINC01065	A	T	1.04	3.59×10 <sup>-11</sup>	1.04	9.36×10 <sup>-12</sup>	1.01	0.48	1.05	6.64×10 <sup>-13</sup>
rs2806949	13	hg19.chr13:g.53646138A>G	OLFM4-[ ]--LINC01065	A	G	1.04	1.01×10 <sup>-11</sup>	1.04	4.29×10 <sup>-12</sup>	1.01	0.31	1.05	3.31×10 <sup>-13</sup>
rs2806950	13	hg19.chr13:g.53646197G>A	OLFM4-[ ]--LINC01065	A	G	0.96	9.96×10 <sup>-12</sup>	0.96	4.26×10 <sup>-12</sup>	0.99	0.31	0.96	3.48×10 <sup>-13</sup>
rs1343605	13	hg19.chr13:g.53647048A>C	OLFM4-[ ]--LINC01065	A	C	1.04	5.47×10 <sup>-12</sup>	1.04	2.57×10 <sup>-12</sup>	1.01	0.3	1.05	2.42×10 <sup>-13</sup>
rs1419216	13	hg19.chr13:g.53652003T>C	OLFM4-[ ]--LINC01065	T	C	1.04	2.36×10 <sup>-11</sup>	1.04	6.78×10 <sup>-12</sup>	1.01	0.43	1.05	5.49×10 <sup>-13</sup>
rs2246208	13	hg19.chr13:g.53652128C>T	OLFM4-[ ]--LINC01065	T	C	0.96	2.33×10 <sup>-11</sup>	0.96	6.25×10 <sup>-12</sup>	0.99	0.45	0.96	4.74×10 <sup>-13</sup>
rs2806971	13	hg19.chr13:g.53653856A>G	OLFM4-[ ]--LINC01065	A	G	1.04	2.37×10 <sup>-11</sup>	1.04	6.76×10 <sup>-12</sup>	1.01	0.43	1.05	5.31×10 <sup>-13</sup>
rs1936385	13	hg19.chr13:g.53659421G>A	OLFM4-[ ]--LINC01065	A	G	0.96	2.41×10 <sup>-11</sup>	0.96	7.32×10 <sup>-12</sup>	0.99	0.42	0.96	6.03×10 <sup>-13</sup>
rs2806974	13	hg19.chr13:g.53659930C>T	OLFM4-[ ]--LINC01065	T	C	0.96	1.30×10 <sup>-11</sup>	0.96	4.51×10 <sup>-12</sup>	0.99	0.36	0.96	4.44×10 <sup>-13</sup>
rs1343610	13	hg19.chr13:g.53662674T>C	OLFM4-[ ]--LINC01065	T	C	1.04	2.83×10 <sup>-11</sup>	1.04	6.17×10 <sup>-12</sup>	1.01	0.49	1.05	3.26×10 <sup>-13</sup>
rs2806978	13	hg19.chr13:g.53663870G>A	OLFM4-[ ]--LINC01065	A	G	0.97	3.26×10 <sup>-11</sup>	0.97	7.02×10 <sup>-12</sup>	0.99	0.5	0.96	3.70×10 <sup>-13</sup>
rs2806982	13	hg19.chr13:g.53675070G>A	OLFM4--[ ]-LINC01065	A	G	0.97	9.27×10 <sup>-10</sup>	0.97	3.13×10 <sup>-10</sup>	0.99	0.53	0.96	1.96×10 <sup>-11</sup>
rs1343612	13	hg19.chr13:g.53675539T>A	OLFM4--[ ]-LINC01065	A	T	0.97	1.00×10 <sup>-9</sup>	0.97	3.46×10 <sup>-10</sup>	0.99	0.53	0.96	2.05×10 <sup>-11</sup>
rs2806985	13	hg19.chr13:g.53677723C>G	OLFM4--[ ]-LINC01065	C	G	1.04	4.14×10 <sup>-10</sup>	1.04	4.08×10 <sup>-10</sup>	1.01	0.22	1.04	5.70×10 <sup>-11</sup>
rs1923768	13	hg19.chr13:g.53678839A>G	OLFM4--[ ]-LINC01065	A	G	1.04	5.50×10 <sup>-13</sup>	1.04	9.42×10 <sup>-13</sup>	1.03	5.82×10 <sup>-3</sup>	1.04	1.49×10 <sup>-11</sup>
rs1923767	13	hg19.chr13:g.53678905T>C	OLFM4--[ ]-LINC01065	T	C	1.04	3.87×10 <sup>-13</sup>	1.04	6.66×10 <sup>-13</sup>	1.03	5.64×10 <sup>-3</sup>	1.04	1.18×10 <sup>-11</sup>
rs1951722	13	hg19.chr13:g.53679747A>G	OLFM4--[ ]-LINC01065	A	G	1.04	2.78×10 <sup>-13</sup>	1.04	4.82×10 <sup>-13</sup>	1.03	5.15×10 <sup>-3</sup>	1.04	9.15×10 <sup>-12</sup>
rs1343603	13	hg19.chr13:g.53679958A>G	OLFM4--[ ]-LINC01065	A	G	1.04	2.69×10 <sup>-10</sup>	1.04	2.96×10 <sup>-10</sup>	1.01	0.18	1.04	5.43×10 <sup>-11</sup>
rs1343602	13	hg19.chr13:g.53681911C>T	OLFM4--[ ]-LINC01065	T	C	0.96	2.98×10 <sup>-13</sup>	0.96	5.15×10 <sup>-13</sup>	0.97	4.97×10 <sup>-3</sup>	0.96	9.86×10 <sup>-12</sup>
rs1419218	13	hg19.chr13:g.53682422A>C	OLFM4--[ ]-LINC01065	A	C	1.04	6.83×10 <sup>-13</sup>	1.04	1.17×10 <sup>-12</sup>	1.03	5.38×10 <sup>-3</sup>	1.04	2.16×10 <sup>-11</sup>
rs2093598	13	hg19.chr13:g.53682783A>C	OLFM4--[ ]-LINC01065	A	C	1.04	8.52×10 <sup>-13</sup>	1.04	1.45×10 <sup>-12</sup>	1.03	5.94×10 <sup>-3</sup>	1.04	2.22×10 <sup>-11</sup>
rs1322944	13	hg19.chr13:g.53683163A>G	OLFM4--[ ]-LINC01065	A	G	1.04	7.49×10 <sup>-13</sup>	1.04	1.28×10 <sup>-12</sup>	1.03	5.33×10 <sup>-3</sup>	1.04	2.36×10 <sup>-11</sup>
rs2759700	13	hg19.chr13:g.53684042T>C	OLFM4--[ ]-LINC01065	T	C	1.04	1.96×10 <sup>-11</sup>	1.04	2.75×10 <sup>-11</sup>	1.02	0.1	1.04	1.34×10 <sup>-11</sup>
rs9536354	13	hg19.chr13:g.53684255G>A	OLFM4--[ ]-LINC01065	A	G	0.96	1.10×10 <sup>-12</sup>	0.96	1.86×10 <sup>-12</sup>	0.97	6.30×10 <sup>-3</sup>	0.96	2.62×10 <sup>-11</sup>
rs9536355	13	hg19.chr13:g.53684256C>A	OLFM4--[ ]-LINC01065	A	C	0.96	1.36×10 <sup>-12</sup>	0.96	2.29×10 <sup>-12</sup>	0.97	5.34×10 <sup>-3</sup>	0.96	5.33×10 <sup>-11</sup>
rs1322943	13	hg19.chr13:g.53685416G>T	OLFM4--[ ]-LINC01065	T	G	0.96	8.72×10 <sup>-13</sup>	0.96	1.48×10 <sup>-12</sup>	0.97	5.08×10 <sup>-3</sup>	0.96	2.78×10 <sup>-11</sup>
rs1322942	13	hg19.chr13:g.53685507T>C	OLFM4--[ ]-LINC01065	T	C	1.04	8.97×10 <sup>-13</sup>	1.04	1.52×10 <sup>-12</sup>	1.03	5.21×10 <sup>-3</sup>	1.04	2.90×10 <sup>-11</sup>
rs1322941	13	hg19.chr13:g.53685678G>A	OLFM4--[ ]-LINC01065	A	G	0.96	8.78×10 <sup>-13</sup>	0.96	1.49×10 <sup>-12</sup>	0.97	5.11×10 <sup>-3</sup>	0.96	2.80×10 <sup>-11</sup>
rs1407685	13	hg19.chr13:g.53685687T>C	OLFM4--[ ]-LINC01065	T	C	1.04	4.33×10 <sup>-13</sup>	1.04	7.44×10 <sup>-13</sup>	1.03	4.76×10 <sup>-3</sup>	1.04	1.43×10 <sup>-11</sup>
rs9568807	13	hg19.chr13:g.53686485A>G	OLFM4--[ ]-LINC01065	A	G	1.04	4.22×10 <sup>-13</sup>	1.04	7.25×10 <sup>-13</sup>	1.03	4.67×10 <sup>-3</sup>	1.04	1.58×10 <sup>-11</sup>
rs9568808	13	hg19.chr13:g.53686514T>C	OLFM4--[ ]-LINC01065	T	C	1.03	2.13×10 <sup>-10</sup>	1.03	3.27×10 <sup>-10</sup>	1.02	0.03	1.04	1.12×10 <sup>-9</sup>

rs9536358	13	hg19.chr13:g.53686701T>A	OLFM4--[ ]-LINC01065	A	T	0.96	8.65×10 <sup>-13</sup>	0.96	1.47×10 <sup>-12</sup>	0.97	5.05×10 <sup>-3</sup>	0.96	2.88×10 <sup>-11</sup>
rs2408766	13	hg19.chr13:g.53686881A>T	OLFM4--[ ]-LINC01065	A	T	1.04	4.60×10 <sup>-13</sup>	1.04	7.91×10 <sup>-13</sup>	1.03	5.02×10 <sup>-3</sup>	1.04	1.47×10 <sup>-11</sup>
rs2759698	13	hg19.chr13:g.53687653C>A	OLFM4--[ ]-LINC01065	A	C	0.96	1.41×10 <sup>-11</sup>	0.96	2.09×10 <sup>-11</sup>	0.98	0.09	0.96	1.14×10 <sup>-11</sup>
rs9536359	13	hg19.chr13:g.53691446C>T	OLFM4--[ ]-LINC01065	T	C	0.96	2.75×10 <sup>-13</sup>	0.96	4.77×10 <sup>-13</sup>	0.97	3.88×10 <sup>-3</sup>	0.96	1.15×10 <sup>-11</sup>
rs2759694	13	hg19.chr13:g.53695378A>G	OLFM4--[ ]-LINC01065	A	G	1.04	1.71×10 <sup>-11</sup>	1.04	2.61×10 <sup>-11</sup>	1.02	0.08	1.04	1.53×10 <sup>-11</sup>
rs2181389	13	hg19.chr13:g.53704246A>G	OLFM4--[ ]-LINC01065	A	G	1.04	4.51×10 <sup>-11</sup>	1.04	7.15×10 <sup>-11</sup>	1.02	0.07	1.04	5.55×10 <sup>-11</sup>
rs4886202	13	hg19.chr13:g.53704738G>A	OLFM4--[ ]-LINC01065	A	G	0.96	6.12×10 <sup>-13</sup>	0.96	1.05×10 <sup>-12</sup>	0.97	2.14×10 <sup>-3</sup>	0.96	4.32×10 <sup>-11</sup>
rs2806994	13	hg19.chr13:g.53706167G>C	[LINC01065]	C	G	0.97	3.15×10 <sup>-10</sup>	0.97	4.31×10 <sup>-10</sup>	0.98	0.14	0.96	1.71×10 <sup>-10</sup>
rs9536363	13	hg19.chr13:g.53709427C>T	[LINC01065]	T	C	0.96	9.17×10 <sup>-13</sup>	0.96	1.56×10 <sup>-12</sup>	0.97	3.09×10 <sup>-3</sup>	0.96	4.54×10 <sup>-11</sup>
rs1322939	13	hg19.chr13:g.53711854T>C	[LINC01065]	T	C	1.03	4.56×10 <sup>-10</sup>	1.03	6.89×10 <sup>-10</sup>	1.02	0.02	1.04	3.62×10 <sup>-9</sup>
rs9536364	13	hg19.chr13:g.53717038C>T	[LINC01065]	T	C	0.97	1.40×10 <sup>-9</sup>	0.97	2.06×10 <sup>-9</sup>	0.98	0.04	0.97	4.86×10 <sup>-9</sup>
rs1322938	13	hg19.chr13:g.53731757A>G	LINC01065-[ ]	A	G	1.04	1.63×10 <sup>-12</sup>	1.04	2.74×10 <sup>-12</sup>	1.03	6.56×10 <sup>-3</sup>	1.04	3.80×10 <sup>-11</sup>
rs2759675	13	hg19.chr13:g.53737901A>G	LINC01065-[ ]	A	G	1.03	7.06×10 <sup>-10</sup>	1.03	1.06×10 <sup>-9</sup>	1.02	0.05	1.04	1.49×10 <sup>-9</sup>
rs2759674	13	hg19.chr13:g.53738240C>T	LINC01065-[ ]	T	C	0.97	2.94×10 <sup>-9</sup>	0.97	3.84×10 <sup>-9</sup>	0.99	0.19	0.96	1.26×10 <sup>-9</sup>
rs9568813	13	hg19.chr13:g.53740264A>T	LINC01065-[ ]	A	T	1.03	7.72×10 <sup>-9</sup>	1.03	1.09×10 <sup>-8</sup>	1.02	0.04	1.03	4.13×10 <sup>-8</sup>
rs1885767	13	hg19.chr13:g.53742128A>G	LINC01065-[ ]	A	G	1.03	4.31×10 <sup>-10</sup>	1.03	6.52×10 <sup>-10</sup>	1.02	0.09	1.04	3.86×10 <sup>-10</sup>
rs2759716	13	hg19.chr13:g.53743589C>T	LINC01065-[ ]	T	C	0.97	4.82×10 <sup>-11</sup>	0.97	7.62×10 <sup>-11</sup>	0.97	6.08×10 <sup>-3</sup>	0.96	1.38×10 <sup>-9</sup>
rs1322962	13	hg19.chr13:g.53745350T>C	LINC01065-[ ]	T	C	1.04	4.22×10 <sup>-11</sup>	1.04	6.69×10 <sup>-11</sup>	1.03	5.88×10 <sup>-3</sup>	1.04	1.19×10 <sup>-9</sup>
rs1951725	13	hg19.chr13:g.53745568T>G	LINC01065-[ ]	T	G	1.03	3.49×10 <sup>-10</sup>	1.03	5.30×10 <sup>-10</sup>	1.02	0.09	1.04	3.07×10 <sup>-10</sup>
rs2093599	13	hg19.chr13:g.53747011A>G	LINC01065-[ ]	A	G	1.04	8.71×10 <sup>-12</sup>	1.04	1.42×10 <sup>-11</sup>	1.03	3.73×10 <sup>-3</sup>	1.04	3.97×10 <sup>-10</sup>
rs2806936	13	hg19.chr13:g.53749752T>G	LINC01065-[ ]	T	G	1.04	3.33×10 <sup>-11</sup>	1.04	5.30×10 <sup>-11</sup>	1.02	0.02	1.04	2.05×10 <sup>-10</sup>
rs2806937	13	hg19.chr13:g.53749873T>C	LINC01065-[ ]	T	C	1.03	1.71×10 <sup>-9</sup>	1.03	2.30×10 <sup>-9</sup>	1.02	0.16	1.04	8.17×10 <sup>-10</sup>
rs1923773	13	hg19.chr13:g.53750354A>G	LINC01065-[ ]	A	G	0.97	6.47×10 <sup>-9</sup>	0.97	6.95×10 <sup>-9</sup>	0.99	0.25	0.96	1.63×10 <sup>-9</sup>
rs912054	13	hg19.chr13:g.53750601G>A	LINC01065-[ ]	A	G	0.97	7.30×10 <sup>-9</sup>	0.97	1.04×10 <sup>-8</sup>	0.98	0.03	0.97	3.95×10 <sup>-8</sup>
rs2806939	13	hg19.chr13:g.53750970C>T	LINC01065-[ ]	T	C	0.97	4.03×10 <sup>-11</sup>	0.97	6.40×10 <sup>-11</sup>	0.97	6.67×10 <sup>-3</sup>	0.96	9.48×10 <sup>-10</sup>
rs2806940	13	hg19.chr13:g.53750990C>T	LINC01065-[ ]	T	C	0.97	1.69×10 <sup>-9</sup>	0.97	2.26×10 <sup>-9</sup>	0.98	0.16	0.96	7.97×10 <sup>-10</sup>
rs1923772	13	hg19.chr13:g.53752028A>G	LINC01065-[ ]	A	G	1.03	1.80×10 <sup>-9</sup>	1.03	2.44×10 <sup>-9</sup>	1.02	0.16	1.04	8.64×10 <sup>-10</sup>
rs1322961	13	hg19.chr13:g.53752181A>G	LINC01065-[ ]	A	G	1.04	4.12×10 <sup>-11</sup>	1.04	6.54×10 <sup>-11</sup>	1.03	6.25×10 <sup>-3</sup>	1.04	1.04×10 <sup>-9</sup>
rs1322960	13	hg19.chr13:g.53752340G>A	LINC01065-[ ]	A	G	0.97	3.12×10 <sup>-10</sup>	0.97	4.76×10 <sup>-10</sup>	0.98	0.08	0.96	2.94×10 <sup>-10</sup>
rs2806941	13	hg19.chr13:g.53752731A>T	LINC01065-[ ]	A	T	1.04	3.03×10 <sup>-11</sup>	1.04	4.84×10 <sup>-11</sup>	1.02	0.02	1.04	1.96×10 <sup>-10</sup>
rs9568826	13	hg19.chr13:g.53754294G>A	LINC01065-[ ]	A	G	0.97	9.16×10 <sup>-9</sup>	0.97	1.29×10 <sup>-8</sup>	0.98	0.04	0.97	4.67×10 <sup>-8</sup>
rs8002513	13	hg19.chr13:g.53754529G>C	LINC01065-[ ]	C	G	0.96	1.14×10 <sup>-11</sup>	0.96	1.85×10 <sup>-11</sup>	0.97	5.14×10 <sup>-3</sup>	0.96	3.59×10 <sup>-10</sup>
rs2806943	13	hg19.chr13:g.53755598A>G	LINC01065-[ ]	A	G	1.04	3.83×10 <sup>-11</sup>	1.04	6.08×10 <sup>-11</sup>	1.02	0.02	1.04	2.11×10 <sup>-10</sup>
rs1555552	13	hg19.chr13:g.53757537T>G	LINC01065--[ ]	T	G	1.04	4.12×10 <sup>-11</sup>	1.04	6.54×10 <sup>-11</sup>	1.03	6.26×10 <sup>-3</sup>	1.04	1.09×10 <sup>-9</sup>
rs1555551	13	hg19.chr13:g.53757540G>A	LINC01065--[ ]	A	G	0.97	9.21×10 <sup>-9</sup>	0.97	1.30×10 <sup>-8</sup>	0.98	0.04	0.97	4.62×10 <sup>-8</sup>
rs1555550	13	hg19.chr13:g.53757567T>C	LINC01065--[ ]	T	C	1.03	4.07×10 <sup>-10</sup>	1.03	6.16×10 <sup>-10</sup>	1.02	0.09	1.04	3.96×10 <sup>-10</sup>
rs1853369	13	hg19.chr13:g.53758613T>C	LINC01065--[ ]	T	C	1.04	2.52×10 <sup>-11</sup>	1.04	4.04×10 <sup>-11</sup>	1.03	5.69×10 <sup>-3</sup>	1.04	7.31×10 <sup>-10</sup>
rs7994915	13	hg19.chr13:g.53759006C>T	LINC01065--[ ]	T	C	0.97	2.35×10 <sup>-11</sup>	0.97	3.77×10 <sup>-11</sup>	0.97	5.82×10 <sup>-3</sup>	0.96	6.62×10 <sup>-10</sup>
rs2806944	13	hg19.chr13:g.53760085A>G	LINC01065--[ ]	A	G	1.04	3.75×10 <sup>-11</sup>	1.04	5.95×10 <sup>-11</sup>	1.03	5.78×10 <sup>-3</sup>	1.04	1.09×10 <sup>-9</sup>
rs9536370	13	hg19.chr13:g.53760156T>C	LINC01065--[ ]	T	C	1.03	9.46×10 <sup>-9</sup>	1.03	1.37×10 <sup>-8</sup>	1.02	0.04	1.03	4.69×10 <sup>-8</sup>
rs2759715	13	hg19.chr13:g.53761071G>A	LINC01065--[ ]	A	G	0.97	3.08×10 <sup>-11</sup>	0.97	4.92×10 <sup>-11</sup>	0.97	6.78×10 <sup>-3</sup>	0.96	7.38×10 <sup>-10</sup>

rs1322957	13	hg19.chr13:g.53761574C>T	LINC01065--[ ]	T	C	0.97	2.03×10 <sup>-10</sup>	0.97	3.12×10 <sup>-10</sup>	0.98	0.09	0.96	1.61×10 <sup>-10</sup>
rs2759714	13	hg19.chr13:g.53763753A>G	LINC01065--[ ]	A	G	1.03	3.04×10 <sup>-10</sup>	1.03	4.63×10 <sup>-10</sup>	1.02	0.09	1.04	2.80×10 <sup>-10</sup>
rs2759713	13	hg19.chr13:g.53764073C>T	LINC01065--[ ]	T	C	0.97	3.20×10 <sup>-10</sup>	0.97	4.87×10 <sup>-10</sup>	0.98	0.09	0.96	2.77×10 <sup>-10</sup>
rs912052	13	hg19.chr13:g.53765203C>G	LINC01065--[ ]	C	G	1.04	4.56×10 <sup>-11</sup>	1.04	7.22×10 <sup>-11</sup>	1.03	6.84×10 <sup>-3</sup>	1.04	1.10×10 <sup>-9</sup>
rs1322956	13	hg19.chr13:g.53765350G>C	LINC01065--[ ]	C	G	0.97	4.58×10 <sup>-11</sup>	0.97	7.25×10 <sup>-11</sup>	0.97	6.86×10 <sup>-3</sup>	0.96	1.10×10 <sup>-9</sup>
rs2759712	13	hg19.chr13:g.53765966C>T	LINC01065--[ ]	T	C	0.97	2.71×10 <sup>-11</sup>	0.97	4.34×10 <sup>-11</sup>	0.97	6.06×10 <sup>-3</sup>	0.96	7.04×10 <sup>-10</sup>
rs1322955	13	hg19.chr13:g.53766576T>G	LINC01065--[ ]	T	G	1.04	3.27×10 <sup>-11</sup>	1.04	5.21×10 <sup>-11</sup>	1.02	0.03	1.04	1.58×10 <sup>-10</sup>
rs1322954	13	hg19.chr13:g.53767633G>C	LINC01065--[ ]	C	G	0.97	2.97×10 <sup>-10</sup>	0.97	4.52×10 <sup>-10</sup>	0.98	0.09	0.96	2.52×10 <sup>-10</sup>
rs2806947	13	hg19.chr13:g.53768025G>A	LINC01065--[ ]	A	G	0.97	3.08×10 <sup>-10</sup>	0.97	4.69×10 <sup>-10</sup>	0.98	0.09	0.96	2.41×10 <sup>-10</sup>
rs1322953	13	hg19.chr13:g.53769788T>C	LINC01065--[ ]	T	C	1.03	1.49×10 <sup>-9</sup>	1.03	1.97×10 <sup>-9</sup>	1.02	0.17	1.04	6.73×10 <sup>-10</sup>
rs1322952	13	hg19.chr13:g.53770683C>T	LINC01065--[ ]	T	C	0.97	2.74×10 <sup>-11</sup>	0.97	4.38×10 <sup>-11</sup>	0.97	6.65×10 <sup>-3</sup>	0.96	6.65×10 <sup>-10</sup>
rs9527057	13	hg19.chr13:g.53771038A>G	LINC01065--[ ]	A	G	1.03	3.54×10 <sup>-9</sup>	1.03	5.11×10 <sup>-9</sup>	1.02	0.03	1.03	2.26×10 <sup>-8</sup>
rs1322951	13	hg19.chr13:g.53771650T>C	LINC01065--[ ]	T	C	1.04	2.76×10 <sup>-11</sup>	1.04	4.42×10 <sup>-11</sup>	1.03	6.71×10 <sup>-3</sup>	1.04	6.40×10 <sup>-10</sup>
rs1923771	13	hg19.chr13:g.53773615T>C	LINC01065--[ ]	T	C	1.04	1.82×10 <sup>-11</sup>	1.04	2.94×10 <sup>-11</sup>	1.03	5.07×10 <sup>-3</sup>	1.04	5.96×10 <sup>-10</sup>
rs1322949	13	hg19.chr13:g.53773658G>A	LINC01065--[ ]	A	G	0.97	3.26×10 <sup>-11</sup>	0.97	5.19×10 <sup>-11</sup>	0.97	7.73×10 <sup>-3</sup>	0.96	6.28×10 <sup>-10</sup>
rs1322948	13	hg19.chr13:g.53774024T>C	LINC01065--[ ]	T	C	1.03	1.68×10 <sup>-9</sup>	1.03	2.17×10 <sup>-9</sup>	1.01	0.18	1.04	6.85×10 <sup>-10</sup>
rs2004422	13	hg19.chr13:g.53774627A>G	LINC01065--[ ]	A	G	1.03	1.39×10 <sup>-9</sup>	1.03	1.88×10 <sup>-9</sup>	1.02	0.16	1.04	7.04×10 <sup>-10</sup>
rs2015677	13	hg19.chr13:g.53774731T>C	LINC01065--[ ]	T	C	1.03	1.50×10 <sup>-10</sup>	1.03	2.31×10 <sup>-10</sup>	1.03	0.02	1.04	1.63×10 <sup>-9</sup>
rs912051	13	hg19.chr13:g.53775316C>A	LINC01065--[ ]	A	C	0.97	2.06×10 <sup>-10</sup>	0.97	3.17×10 <sup>-10</sup>	0.98	0.02	0.96	1.70×10 <sup>-9</sup>
rs2806968	13	hg19.chr13:g.53775833T>A	LINC01065--[ ]	A	T	0.97	9.12×10 <sup>-10</sup>	0.97	1.12×10 <sup>-9</sup>	0.99	0.18	0.96	2.89×10 <sup>-10</sup>
rs2759709	13	hg19.chr13:g.53775979T>C	LINC01065--[ ]	T	C	1.03	3.12×10 <sup>-10</sup>	1.03	4.76×10 <sup>-10</sup>	1.02	0.03	1.04	2.19×10 <sup>-9</sup>
rs2759708	13	hg19.chr13:g.53776098C>T	LINC01065--[ ]	T	C	0.97	1.23×10 <sup>-10</sup>	0.97	1.91×10 <sup>-10</sup>	0.97	0.02	0.96	1.73×10 <sup>-9</sup>
rs2806966	13	hg19.chr13:g.53779297A>G	LINC01065--[ ]	A	G	1.03	1.12×10 <sup>-9</sup>	1.03	1.67×10 <sup>-9</sup>	1.02	0.02	1.04	1.13×10 <sup>-8</sup>
rs4886270	13	hg19.chr13:g.53780054G>T	LINC01065--[ ]	T	G	0.97	5.19×10 <sup>-9</sup>	0.97	7.43×10 <sup>-9</sup>	0.98	0.03	0.97	3.53×10 <sup>-8</sup>
rs1951724	13	hg19.chr13:g.53780578A>G	LINC01065--[ ]	A	G	1.03	6.00×10 <sup>-10</sup>	1.03	9.01×10 <sup>-10</sup>	1.02	0.15	1.04	4.32×10 <sup>-10</sup>
rs1407689	13	hg19.chr13:g.53780871G>T	LINC01065--[ ]	T	G	0.97	1.07×10 <sup>-9</sup>	0.97	1.33×10 <sup>-9</sup>	0.99	0.18	0.96	3.59×10 <sup>-10</sup>
rs1407688	13	hg19.chr13:g.53780924G>A	LINC01065--[ ]	A	G	0.97	7.23×10 <sup>-10</sup>	0.97	9.25×10 <sup>-10</sup>	0.99	0.16	0.96	3.00×10 <sup>-10</sup>
rs2806965	13	hg19.chr13:g.53781209A>G	LINC01065--[ ]	A	G	1.03	1.58×10 <sup>-9</sup>	1.03	2.23×10 <sup>-9</sup>	1.02	0.15	1.04	9.41×10 <sup>-10</sup>
rs2806964	13	hg19.chr13:g.53781516T>C	LINC01065--[ ]	T	C	1.03	1.37×10 <sup>-10</sup>	1.03	2.12×10 <sup>-10</sup>	1.03	0.02	1.04	1.67×10 <sup>-9</sup>
rs2806963	13	hg19.chr13:g.53781644T>C	LINC01065--[ ]	T	C	1.03	2.40×10 <sup>-10</sup>	1.03	3.68×10 <sup>-10</sup>	1.03	0.02	1.04	2.79×10 <sup>-9</sup>
rs2038649	13	hg19.chr13:g.53783128T>A	LINC01065--[ ]	A	T	0.97	2.81×10 <sup>-10</sup>	0.97	4.29×10 <sup>-10</sup>	0.98	0.02	0.96	2.87×10 <sup>-9</sup>
rs1923770	13	hg19.chr13:g.53786568T>A	LINC01065--[ ]	A	T	0.97	3.49×10 <sup>-9</sup>	0.97	5.03×10 <sup>-9</sup>	0.98	0.08	0.96	6.64×10 <sup>-9</sup>
rs2806960	13	hg19.chr13:g.53787190T>A	LINC01065--[ ]	A	T	0.97	3.16×10 <sup>-10</sup>	0.97	4.81×10 <sup>-10</sup>	0.98	0.02	0.96	3.00×10 <sup>-9</sup>
rs927518	13	hg19.chr13:g.53790633G>C	LINC01065--[ ]	C	G	0.97	2.41×10 <sup>-10</sup>	0.97	3.70×10 <sup>-10</sup>	0.98	0.02	0.96	2.77×10 <sup>-9</sup>
rs959222	13	hg19.chr13:g.53790886T>C	LINC01065--[ ]	T	C	1.03	1.83×10 <sup>-10</sup>	1.03	2.81×10 <sup>-10</sup>	1.03	0.02	1.04	2.15×10 <sup>-9</sup>
rs2806956	13	hg19.chr13:g.53791676A>G	LINC01065--[ ]	A	G	1.03	2.46×10 <sup>-10</sup>	1.03	3.76×10 <sup>-10</sup>	1.03	0.02	1.04	2.82×10 <sup>-9</sup>
rs1909650	13	hg19.chr13:g.53791895G>A	LINC01065--[ ]	A	G	0.97	2.58×10 <sup>-9</sup>	0.97	3.75×10 <sup>-9</sup>	0.98	0.07	0.96	6.03×10 <sup>-9</sup>
rs1909648	13	hg19.chr13:g.53792342T>C	LINC01065--[ ]	T	C	1.03	4.04×10 <sup>-10</sup>	1.03	6.12×10 <sup>-10</sup>	1.02	0.03	1.04	2.32×10 <sup>-9</sup>
rs2806955	13	hg19.chr13:g.53793305A>T	LINC01065--[ ]	A	T	1.03	2.29×10 <sup>-10</sup>	1.03	3.51×10 <sup>-10</sup>	1.03	0.02	1.04	2.52×10 <sup>-9</sup>
rs2146514	13	hg19.chr13:g.53795456T>C	LINC01065--[ ]	T	C	1.03	2.11×10 <sup>-10</sup>	1.03	3.23×10 <sup>-10</sup>	1.03	0.02	1.04	2.35×10 <sup>-9</sup>
rs2759704	13	hg19.chr13:g.53797140C>T	LINC01065--[ ]	T	C	0.97	1.86×10 <sup>-10</sup>	0.97	2.86×10 <sup>-10</sup>	0.98	0.02	0.96	2.25×10 <sup>-9</sup>

rs2806954	13	hg19.chr13:g.53797524G>C	LINC01065--[ ]	C	G	0.97	2.81×10 <sup>-9</sup>	0.97	4.08×10 <sup>-9</sup>	0.98	0.08	0.96	5.41×10 <sup>-9</sup>
rs2759703	13	hg19.chr13:g.53798359G>A	LINC01065--[ ]	A	G	0.97	4.06×10 <sup>-9</sup>	0.97	5.84×10 <sup>-9</sup>	0.98	0.1	0.96	5.38×10 <sup>-9</sup>
rs1980685	13	hg19.chr13:g.53798972G>A	LINC01065--[ ]	A	G	0.97	1.56×10 <sup>-10</sup>	0.97	2.40×10 <sup>-10</sup>	0.98	0.02	0.96	1.72×10 <sup>-9</sup>
rs1969761	13	hg19.chr13:g.53799352T>G	LINC01065--[ ]	T	G	1.03	1.63×10 <sup>-10</sup>	1.03	2.52×10 <sup>-10</sup>	1.03	0.02	1.04	1.78×10 <sup>-9</sup>
rs2806953	13	hg19.chr13:g.53799524T>C	LINC01065--[ ]	T	C	1.03	3.27×10 <sup>-9</sup>	1.03	4.37×10 <sup>-9</sup>	1.01	0.18	1.04	1.63×10 <sup>-9</sup>
rs927517	13	hg19.chr13:g.53800066C>T	LINC01065--[ ]	T	C	0.97	2.90×10 <sup>-10</sup>	0.97	4.42×10 <sup>-10</sup>	0.98	0.1	0.96	3.43×10 <sup>-10</sup>
rs2806952	13	hg19.chr13:g.53800834T>C	LINC01065--[ ]	T	C	1.03	7.78×10 <sup>-11</sup>	1.03	1.22×10 <sup>-10</sup>	1.02	0.06	1.04	1.82×10 <sup>-10</sup>
rs1923769	13	hg19.chr13:g.53803308T>C	LINC01065--[ ]	T	C	1.03	2.07×10 <sup>-10</sup>	1.03	3.18×10 <sup>-10</sup>	1.02	0.02	1.04	1.82×10 <sup>-9</sup>
rs6561708	13	hg19.chr13:g.53806309C>A	LINC01065---[ ]	A	C	0.97	1.51×10 <sup>-10</sup>	0.97	2.34×10 <sup>-10</sup>	0.98	0.06	0.96	3.30×10 <sup>-10</sup>
rs9536373	13	hg19.chr13:g.53806846T>C	LINC01065---[ ]	T	C	1.03	7.75×10 <sup>-11</sup>	1.03	1.21×10 <sup>-10</sup>	1.02	0.06	1.04	1.84×10 <sup>-10</sup>
rs2038650	13	hg19.chr13:g.53807104T>C	LINC01065---[ ]	T	C	1.03	1.39×10 <sup>-9</sup>	1.03	1.60×10 <sup>-9</sup>	1.01	0.2	1.04	3.61×10 <sup>-10</sup>
rs1407687	13	hg19.chr13:g.53808992A>G	LINC01065---[ ]	A	G	1.03	1.41×10 <sup>-10</sup>	1.03	2.18×10 <sup>-10</sup>	1.03	0.02	1.04	1.56×10 <sup>-9</sup>
rs2088714	13	hg19.chr13:g.53809246C>A	LINC01065---[ ]	A	C	0.97	6.21×10 <sup>-11</sup>	0.97	9.77×10 <sup>-11</sup>	0.98	0.06	0.96	1.39×10 <sup>-10</sup>
rs4886303	13	hg19.chr13:g.53809904G>C	LINC01065---[ ]	C	G	0.97	8.05×10 <sup>-11</sup>	0.97	1.26×10 <sup>-10</sup>	0.98	0.06	0.96	1.84×10 <sup>-10</sup>
rs7993800	13	hg19.chr13:g.53810190C>T	LINC01065---[ ]	T	C	0.97	1.42×10 <sup>-10</sup>	0.97	2.20×10 <sup>-10</sup>	0.98	0.02	0.96	1.51×10 <sup>-9</sup>
rs7998809	13	hg19.chr13:g.53810542A>G	LINC01065---[ ]	A	G	1.03	2.24×10 <sup>-10</sup>	1.03	3.39×10 <sup>-10</sup>	1.02	0.11	1.04	2.12×10 <sup>-10</sup>
rs4886312	13	hg19.chr13:g.53811878C>A	LINC01065---[ ]	A	C	0.97	8.01×10 <sup>-10</sup>	0.97	1.03×10 <sup>-9</sup>	0.99	0.17	0.96	2.84×10 <sup>-10</sup>
rs7984963	13	hg19.chr13:g.53812390G>A	LINC01065---[ ]	A	G	0.97	8.86×10 <sup>-11</sup>	0.97	1.39×10 <sup>-10</sup>	0.98	0.06	0.96	1.94×10 <sup>-10</sup>
rs1407686	13	hg19.chr13:g.53813901A>T	LINC01065---[ ]	A	T	1.03	2.61×10 <sup>-8</sup>	1.03	3.45×10 <sup>-8</sup>	1.02	0.11	1.03	2.80×10 <sup>-8</sup>
rs5008125	13	hg19.chr13:g.53813933G>A	LINC01065---[ ]	A	G	0.97	5.38×10 <sup>-10</sup>	0.97	7.86×10 <sup>-10</sup>	0.98	0.13	0.96	3.62×10 <sup>-10</sup>
rs71430868	13	hg19.chr13:g.53817443C>T	LINC01065---[ ]	T	C	1.04	3.34×10 <sup>-10</sup>	1.04	5.09×10 <sup>-10</sup>	1.02	0.09	1.04	3.34×10 <sup>-10</sup>
rs9536375	13	hg19.chr13:g.53817816G>A	LINC01065---[ ]	A	G	1.04	8.80×10 <sup>-10</sup>	1.04	1.31×10 <sup>-9</sup>	1.02	0.1	1.04	8.67×10 <sup>-10</sup>
rs1960348	13	hg19.chr13:g.53822037C>T	LINC01065---[ ]	T	C	0.97	2.11×10 <sup>-8</sup>	0.97	2.85×10 <sup>-8</sup>	0.98	0.04	0.97	1.51×10 <sup>-7</sup>
rs7997656	13	hg19.chr13:g.53823098C>T	LINC01065---[ ]	T	C	0.97	2.22×10 <sup>-8</sup>	0.97	2.99×10 <sup>-8</sup>	0.98	0.04	0.97	1.56×10 <sup>-7</sup>
rs9596771	13	hg19.chr13:g.53823794G>A	LINC01065---[ ]	A	G	1.04	1.87×10 <sup>-10</sup>	1.04	2.88×10 <sup>-10</sup>	1.02	0.05	1.04	5.54×10 <sup>-10</sup>
rs13353100	13	hg19.chr13:g.53826781G>T	LINC01065---[ ]	T	G	1.03	1.00×10 <sup>-9</sup>	1.03	1.49×10 <sup>-9</sup>	1.02	0.07	1.04	1.51×10 <sup>-9</sup>
rs12860317	13	hg19.chr13:g.53827237G>A	LINC01065---[ ]	A	G	1.03	1.94×10 <sup>-9</sup>	1.03	2.83×10 <sup>-9</sup>	1.02	0.06	1.04	4.00×10 <sup>-9</sup>
rs9536378	13	hg19.chr13:g.53830039A>C	LINC01065---[ ]	A	C	1.03	2.25×10 <sup>-8</sup>	1.03	3.02×10 <sup>-8</sup>	1.02	0.05	1.03	7.99×10 <sup>-8</sup>
rs1322937	13	hg19.chr13:g.53833353C>G	LINC01065---[ ]	C	G	1.03	4.05×10 <sup>-9</sup>	1.03	5.82×10 <sup>-9</sup>	1.02	0.08	1.04	8.23×10 <sup>-9</sup>
rs9536379	13	hg19.chr13:g.53834036G>A	LINC01065---[ ]	A	G	0.97	6.91×10 <sup>-9</sup>	0.97	9.82×10 <sup>-9</sup>	0.98	0.08	0.96	1.44×10 <sup>-8</sup>
rs1322959	13	hg19.chr13:g.53834646T>C	LINC01065---[ ]	T	C	1.03	4.12×10 <sup>-9</sup>	1.03	5.93×10 <sup>-9</sup>	1.02	0.08	1.04	7.43×10 <sup>-9</sup>
rs980186	13	hg19.chr13:g.53841069T>G	LINC01065---[ ]	T	G	1.03	3.49×10 <sup>-8</sup>	1.03	4.36×10 <sup>-8</sup>	1.02	0.07	1.03	1.02×10 <sup>-7</sup>
rs2038647	13	hg19.chr13:g.53842904G>A	LINC01065---[ ]	A	G	0.97	1.06×10 <sup>-9</sup>	0.97	1.58×10 <sup>-9</sup>	0.98	0.11	0.96	1.28×10 <sup>-9</sup>
rs4243024	13	hg19.chr13:g.53853403G>A	LINC01065---[ ]	A	G	0.97	8.30×10 <sup>-9</sup>	0.97	1.17×10 <sup>-8</sup>	0.98	0.05	0.97	2.80×10 <sup>-8</sup>
rs4243025	13	hg19.chr13:g.53853576G>T	LINC01065---[ ]	T	G	0.97	7.92×10 <sup>-10</sup>	0.97	1.18×10 <sup>-9</sup>	0.98	0.04	0.96	4.82×10 <sup>-9</sup>
rs6561709	13	hg19.chr13:g.53858302C>T	LINC01065----[ ]	T	C	0.97	2.17×10 <sup>-10</sup>	0.97	3.32×10 <sup>-10</sup>	0.97	2.12×10 <sup>-3</sup>	0.97	2.06×10 <sup>-8</sup>
rs9596774	13	hg19.chr13:g.53858586C>T	LINC01065----[ ]	T	C	1.04	2.25×10 <sup>-10</sup>	1.04	3.45×10 <sup>-10</sup>	1.02	0.05	1.04	7.00×10 <sup>-10</sup>
rs9596775	13	hg19.chr13:g.53859017C>T	LINC01065----[ ]	T	C	1.04	2.25×10 <sup>-10</sup>	1.04	3.46×10 <sup>-10</sup>	1.02	0.05	1.04	6.98×10 <sup>-10</sup>
rs12585957	13	hg19.chr13:g.53859873G>C	LINC01065----[ ]	C	G	1.04	1.65×10 <sup>-10</sup>	1.04	2.47×10 <sup>-10</sup>	1.02	0.1	1.04	1.35×10 <sup>-10</sup>
rs9536381	13	hg19.chr13:g.53860655C>T	LINC01065----[ ]	T	C	1.04	1.99×10 <sup>-10</sup>	1.04	3.06×10 <sup>-10</sup>	1.02	0.05	1.04	6.42×10 <sup>-10</sup>
rs9591504	13	hg19.chr13:g.53861091T>G	LINC01065----[ ]	T	G	0.97	1.87×10 <sup>-10</sup>	0.97	2.86×10 <sup>-10</sup>	0.98	0.1	0.96	1.80×10 <sup>-10</sup>

rs7326087	13	hg19.chr13:g.53862161A>G	LINC01065----[ ]	A	G	0.97	1.35×10 <sup>-10</sup>	0.97	2.09×10 <sup>-10</sup>	0.98	0.09	0.96	1.40×10 <sup>-10</sup>
rs9527059	13	hg19.chr13:g.53862411T>C	LINC01065----[ ]	T	C	0.97	1.98×10 <sup>-10</sup>	0.97	3.04×10 <sup>-10</sup>	0.98	0.05	0.96	5.79×10 <sup>-10</sup>
rs9805634	13	hg19.chr13:g.53863604C>T	LINC01065----[ ]	T	C	1.04	3.49×10 <sup>-10</sup>	1.04	5.30×10 <sup>-10</sup>	1.02	0.04	1.04	1.54×10 <sup>-9</sup>
rs7140116	13	hg19.chr13:g.53864444C>T	LINC01065----[ ]	T	C	0.97	7.12×10 <sup>-10</sup>	0.97	1.07×10 <sup>-9</sup>	0.97	2.36×10 <sup>-3</sup>	0.97	7.92×10 <sup>-8</sup>
rs9536382	13	hg19.chr13:g.53865141A>C	LINC01065----[ ]	A	C	0.97	6.05×10 <sup>-11</sup>	0.97	9.52×10 <sup>-11</sup>	0.97	8.43×10 <sup>-3</sup>	0.96	2.03×10 <sup>-9</sup>
rs9536383	13	hg19.chr13:g.53865563C>T	LINC01065----[ ]	T	C	1.04	2.84×10 <sup>-10</sup>	1.04	4.29×10 <sup>-10</sup>	1.02	0.11	1.04	2.05×10 <sup>-10</sup>
rs6561710	13	hg19.chr13:g.53866077A>G	LINC01065----[ ]	A	G	0.97	6.34×10 <sup>-11</sup>	0.97	9.97×10 <sup>-11</sup>	0.97	8.77×10 <sup>-3</sup>	0.96	2.00×10 <sup>-9</sup>
rs73200018	13	hg19.chr13:g.53873343G>C	LINC01065----[ ]	C	G	1.05	1.76×10 <sup>-8</sup>	1.05	2.43×10 <sup>-8</sup>	1.04	0.05	1.06	1.05×10 <sup>-7</sup>
rs4584720	13	hg19.chr13:g.53876821C>T	LINC01065----[ ]	T	C	0.97	1.74×10 <sup>-10</sup>	0.97	2.68×10 <sup>-10</sup>	0.97	2.39×10 <sup>-3</sup>	0.97	2.60×10 <sup>-8</sup>
rs4525388	13	hg19.chr13:g.53876897A>G	LINC01065----[ ]	A	G	1.03	1.65×10 <sup>-10</sup>	1.03	2.55×10 <sup>-10</sup>	1.03	2.06×10 <sup>-3</sup>	1.03	2.55×10 <sup>-8</sup>
rs4884400	13	hg19.chr13:g.53879062C>A	LINC01065----[ ]	A	C	0.97	1.15×10 <sup>-10</sup>	0.97	1.79×10 <sup>-10</sup>	0.97	2.55×10 <sup>-3</sup>	0.97	1.52×10 <sup>-8</sup>
rs4884401	13	hg19.chr13:g.53879120C>G	LINC01065----[ ]	C	G	1.03	1.15×10 <sup>-10</sup>	1.03	1.79×10 <sup>-10</sup>	1.03	2.54×10 <sup>-3</sup>	1.03	1.49×10 <sup>-8</sup>
rs4884402	13	hg19.chr13:g.53879327A>T	LINC01065----[ ]	A	T	1.03	1.04×10 <sup>-10</sup>	1.03	1.62×10 <sup>-10</sup>	1.03	2.53×10 <sup>-3</sup>	1.03	1.46×10 <sup>-8</sup>
rs9536386	13	hg19.chr13:g.53879428G>A	LINC01065----[ ]	A	G	1.04	9.18×10 <sup>-11</sup>	1.04	1.43×10 <sup>-10</sup>	1.02	0.03	1.04	3.55×10 <sup>-10</sup>
rs7993087	13	hg19.chr13:g.53880086T>A	LINC01065----[ ]	A	T	0.97	3.65×10 <sup>-10</sup>	0.97	5.54×10 <sup>-10</sup>	0.97	3.58×10 <sup>-3</sup>	0.97	2.16×10 <sup>-8</sup>
rs7997881	13	hg19.chr13:g.53880788G>A	LINC01065----[ ]	A	G	0.97	1.24×10 <sup>-10</sup>	0.97	1.93×10 <sup>-10</sup>	0.97	2.50×10 <sup>-3</sup>	0.97	1.74×10 <sup>-8</sup>
rs6561712	13	hg19.chr13:g.53880809T>C	LINC01065----[ ]	T	C	1.03	2.44×10 <sup>-10</sup>	1.03	3.74×10 <sup>-10</sup>	1.03	1.99×10 <sup>-3</sup>	1.03	3.08×10 <sup>-8</sup>
rs4555040	13	hg19.chr13:g.53881665G>A	LINC01065----[ ]	A	G	0.97	1.50×10 <sup>-10</sup>	0.97	2.32×10 <sup>-10</sup>	0.97	2.49×10 <sup>-3</sup>	0.97	1.94×10 <sup>-8</sup>
rs9536389	13	hg19.chr13:g.53882511C>T	LINC01065----[ ]	T	C	0.97	9.91×10 <sup>-11</sup>	0.97	1.55×10 <sup>-10</sup>	0.97	3.89×10 <sup>-3</sup>	0.97	5.89×10 <sup>-9</sup>
rs9527060	13	hg19.chr13:g.53884670G>A	LINC01065----[ ]	A	G	1.04	2.48×10 <sup>-11</sup>	1.04	3.97×10 <sup>-11</sup>	1.03	9.47×10 <sup>-3</sup>	1.04	5.80×10 <sup>-10</sup>
rs8001960	13	hg19.chr13:g.53886795C>T	LINC01065----[ ]	T	C	0.97	1.41×10 <sup>-10</sup>	0.97	2.18×10 <sup>-10</sup>	0.97	2.34×10 <sup>-3</sup>	0.97	1.95×10 <sup>-8</sup>
rs9316609	13	hg19.chr13:g.53888275G>A	LINC01065----[ ]	A	G	0.97	1.29×10 <sup>-10</sup>	0.97	1.99×10 <sup>-10</sup>	0.97	2.14×10 <sup>-3</sup>	0.97	1.98×10 <sup>-8</sup>
rs6561715	13	hg19.chr13:g.53888526T>A	LINC01065----[ ]	A	T	0.97	1.22×10 <sup>-9</sup>	0.97	1.80×10 <sup>-9</sup>	0.98	0.02	0.97	1.56×10 <sup>-8</sup>
rs9563152	13	hg19.chr13:g.53889343T>C	LINC01065----[ ]	T	C	1.03	1.43×10 <sup>-9</sup>	1.03	2.11×10 <sup>-9</sup>	1.03	0.02	1.04	2.16×10 <sup>-8</sup>
rs4304930	13	hg19.chr13:g.53890318A>C	LINC01065----[ ]	A	C	1.03	2.30×10 <sup>-9</sup>	1.03	3.35×10 <sup>-9</sup>	1.03	3.19×10 <sup>-3</sup>	1.03	1.79×10 <sup>-7</sup>
rs1978969	13	hg19.chr13:g.53896317C>A	LINC01065----[ ]	A	C	1.03	1.30×10 <sup>-8</sup>	1.03	1.87×10 <sup>-8</sup>	1.02	0.05	1.04	6.52×10 <sup>-8</sup>
rs9527064	13	hg19.chr13:g.53897024G>A	LINC01065----[ ]	A	G	1.03	1.85×10 <sup>-8</sup>	1.03	2.54×10 <sup>-8</sup>	1.02	0.06	1.04	7.18×10 <sup>-8</sup>
rs1867370	13	hg19.chr13:g.53898419T>G	LINC01065----[ ]	T	G	0.97	1.65×10 <sup>-8</sup>	0.97	2.31×10 <sup>-8</sup>	0.98	0.05	0.97	8.90×10 <sup>-8</sup>
rs34003284	13	hg19.chr13:g.53902876C>A	LINC01065----[ ]	A	C	1.03	3.11×10 <sup>-8</sup>	1.03	3.94×10 <sup>-8</sup>	1.02	0.05	1.03	1.61×10 <sup>-7</sup>
rs7328151	13	hg19.chr13:g.53953549A>G	LINC01065----[ ]	A	G	0.97	3.96×10 <sup>-8</sup>	0.97	4.88×10 <sup>-8</sup>	0.97	0.01	0.97	9.41×10 <sup>-7</sup>
rs11858956	15	hg19.chr15:g.70261228T>C	RPLP1--[ ]-TLE3	T	C	0.97	4.20×10 <sup>-8</sup>	0.97	5.08×10 <sup>-8</sup>	0.97	3.51×10 <sup>-3</sup>	0.97	3.27×10 <sup>-6</sup>
rs998483	22	hg19.chr22:g.41108102A>T	MCHRI-[ ]-SLC25A17	A	T	0.97	4.48×10 <sup>-8</sup>	0.97	5.40×10 <sup>-8</sup>	0.97	2.30×10 <sup>-3</sup>	0.97	5.97×10 <sup>-6</sup>
rs738660	22	hg19.chr22:g.41110024A>G	MCHRI-[ ]-SLC25A17	A	G	0.97	2.51×10 <sup>-8</sup>	0.97	3.33×10 <sup>-8</sup>	0.97	2.26×10 <sup>-3</sup>	0.97	3.20×10 <sup>-6</sup>
rs4440057	22	hg19.chr22:g.41116466T>A	MCHRI-[ ]-SLC25A17	A	T	1.03	2.91×10 <sup>-8</sup>	1.03	3.72×10 <sup>-8</sup>	1.03	2.67×10 <sup>-3</sup>	1.03	3.22×10 <sup>-6</sup>
rs7292907	22	hg19.chr22:g.41119316T>C	[SLC25A17]	T	C	0.97	2.20×10 <sup>-8</sup>	0.97	2.95×10 <sup>-8</sup>	0.97	1.92×10 <sup>-3</sup>	0.97	3.30×10 <sup>-6</sup>
rs11704680	22	hg19.chr22:g.41125392G>A	[SLC25A17]	A	G	1.03	4.21×10 <sup>-8</sup>	1.03	5.09×10 <sup>-8</sup>	1.04	1.27×10 <sup>-3</sup>	1.03	8.79×10 <sup>-6</sup>
rs1807606	22	hg19.chr22:g.41126128G>A	[SLC25A17]	A	G	1.03	1.89×10 <sup>-8</sup>	1.03	2.61×10 <sup>-8</sup>	1.04	9.70×10 <sup>-4</sup>	1.03	5.00×10 <sup>-6</sup>
rs35860575	22	hg19.chr22:g.41127062C>T	[SLC25A17]	T	C	1.03	2.05×10 <sup>-8</sup>	1.03	2.75×10 <sup>-8</sup>	1.04	6.00×10 <sup>-4</sup>	1.03	5.83×10 <sup>-6</sup>
rs11703894	22	hg19.chr22:g.41145630T>C	[SLC25A17]	T	C	0.97	1.16×10 <sup>-8</sup>	0.97	1.71×10 <sup>-8</sup>	0.97	9.78×10 <sup>-4</sup>	0.97	2.61×10 <sup>-6</sup>
rs7290246	22	hg19.chr22:g.41147033G>C	[SLC25A17]	C	G	1.03	1.06×10 <sup>-8</sup>	1.03	1.56×10 <sup>-8</sup>	1.04	8.74×10 <sup>-4</sup>	1.03	2.79×10 <sup>-6</sup>
rs13054099	22	hg19.chr22:g.41215672T>C	SLC25A17-[ ]-ST13	T	C	0.97	9.54×10 <sup>-9</sup>	0.97	1.39×10 <sup>-8</sup>	0.95	1.29×10 <sup>-4</sup>	0.97	9.84×10 <sup>-6</sup>

rs138333	22	hg19.chr22:g.41217058C>T	<i>SLC25A17</i> [-]- <i>ST13</i>	T	C	1.03	8.16×10 <sup>-9</sup>	1.03	1.15×10 <sup>-8</sup>	1.03	1.78×10 <sup>-3</sup>	1.03	1.32×10 <sup>-6</sup>
rs11703643	22	hg19.chr22:g.41224393G>C	[ <i>ST13</i> ]	C	G	1.03	1.56×10 <sup>-8</sup>	1.03	2.17×10 <sup>-8</sup>	1.03	2.47×10 <sup>-3</sup>	1.03	1.72×10 <sup>-6</sup>
rs138337	22	hg19.chr22:g.41231053A>G	[ <i>ST13</i> ]	A	G	0.97	9.50×10 <sup>-9</sup>	0.97	1.37×10 <sup>-8</sup>	0.97	1.19×10 <sup>-3</sup>	0.97	1.81×10 <sup>-6</sup>
rs138342	22	hg19.chr22:g.41241945C>T	[ <i>ST13</i> ]	T	C	1.03	4.34×10 <sup>-8</sup>	1.03	5.21×10 <sup>-8</sup>	1.03	1.13×10 <sup>-3</sup>	1.03	9.37×10 <sup>-6</sup>
rs138344	22	hg19.chr22:g.41244398C>G	[ <i>ST13</i> ]	C	G	0.97	1.13×10 <sup>-8</sup>	0.97	1.68×10 <sup>-8</sup>	0.97	1.21×10 <sup>-3</sup>	0.97	2.11×10 <sup>-6</sup>
rs4821976	22	hg19.chr22:g.41283984G>A	[ <i>XPNEP3</i> ]	A	G	0.97	7.91×10 <sup>-9</sup>	0.97	1.12×10 <sup>-8</sup>	0.97	1.25×10 <sup>-3</sup>	0.97	1.89×10 <sup>-6</sup>
rs5995963	22	hg19.chr22:g.41302973A>T	[ <i>XPNEP3</i> ]	A	T	1.03	3.68×10 <sup>-8</sup>	1.03	4.58×10 <sup>-8</sup>	1.03	1.16×10 <sup>-3</sup>	1.03	8.62×10 <sup>-6</sup>
rs9611435	22	hg19.chr22:g.41315083T>C	[ <i>XPNEP3</i> ]	T	C	1.03	3.85×10 <sup>-8</sup>	1.03	4.77×10 <sup>-8</sup>	1.04	9.87×10 <sup>-4</sup>	1.03	9.96×10 <sup>-6</sup>
rs2899341	22	hg19.chr22:g.41325068G>A	[ <i>XPNEP3</i> ]	A	G	0.97	6.69×10 <sup>-9</sup>	0.97	9.51×10 <sup>-9</sup>	0.97	1.05×10 <sup>-3</sup>	0.97	1.39×10 <sup>-6</sup>
rs113921773	22	hg19.chr22:g.41344280delG	<i>XPNEP3</i> [-]- <i>RBX1</i>	T	TG	0.97	3.80×10 <sup>-9</sup>	0.97	5.47×10 <sup>-9</sup>	0.95	4.14×10 <sup>-4</sup>	0.97	7.55×10 <sup>-7</sup>
rs13056300	22	hg19.chr22:g.41408754T>C	<i>RBX1</i> [-]- <i>SNORD140</i>	T	C	0.97	6.52×10 <sup>-9</sup>	0.97	9.27×10 <sup>-9</sup>	0.96	5.72×10 <sup>-4</sup>	0.97	2.26×10 <sup>-6</sup>
rs9611459	22	hg19.chr22:g.41414055G>A	<i>RBX1</i> [-]- <i>SNORD140</i>	A	G	1.04	5.57×10 <sup>-10</sup>	1.04	8.38×10 <sup>-10</sup>	1.04	7.30×10 <sup>-4</sup>	1.04	1.80×10 <sup>-7</sup>
rs9607765	22	hg19.chr22:g.41415337C>T	<i>RBX1</i> [-]- <i>SNORD140</i>	T	C	1.04	6.39×10 <sup>-10</sup>	1.04	9.59×10 <sup>-10</sup>	1.04	1.22×10 <sup>-3</sup>	1.04	1.70×10 <sup>-7</sup>
rs926914	22	hg19.chr22:g.41418154C>T	<i>RBX1</i> [-]- <i>SNORD140</i>	T	C	1.04	8.97×10 <sup>-10</sup>	1.04	1.34×10 <sup>-9</sup>	1.04	1.14×10 <sup>-3</sup>	1.04	1.80×10 <sup>-7</sup>
rs71327107	22	hg19.chr22:g.41418229T>G	<i>RBX1</i> [-]- <i>SNORD140</i>	T	G	0.96	8.51×10 <sup>-11</sup>	0.96	1.33×10 <sup>-10</sup>	0.95	4.52×10 <sup>-5</sup>	0.97	1.83×10 <sup>-7</sup>
rs9611460	22	hg19.chr22:g.41418297T>C	<i>RBX1</i> [-]- <i>SNORD140</i>	T	C	0.97	1.18×10 <sup>-9</sup>	0.97	1.75×10 <sup>-9</sup>	0.96	1.54×10 <sup>-3</sup>	0.97	1.84×10 <sup>-7</sup>
rs75723348	22	hg19.chr22:g.41420679T>G	<i>RBX1</i> [-]- <i>SNORD140</i>	T	G	0.97	8.32×10 <sup>-10</sup>	0.97	1.24×10 <sup>-9</sup>	0.96	1.04×10 <sup>-3</sup>	0.97	1.85×10 <sup>-7</sup>
rs9611465	22	hg19.chr22:g.41426139G>A	<i>RBX1</i> [-]- <i>SNORD140</i>	A	G	1.04	1.36×10 <sup>-9</sup>	1.04	2.01×10 <sup>-9</sup>	1.04	2.14×10 <sup>-3</sup>	1.04	1.57×10 <sup>-7</sup>
rs9611466	22	hg19.chr22:g.41426299A>T	<i>RBX1</i> [-]- <i>SNORD140</i>	A	T	0.96	6.81×10 <sup>-10</sup>	0.96	1.02×10 <sup>-9</sup>	0.96	1.10×10 <sup>-3</sup>	0.97	1.56×10 <sup>-7</sup>
rs35300361	22	hg19.chr22:g.41426763_41426764insA	<i>RBX1</i> [-]- <i>SNORD140</i>	CA	C	1.04	6.21×10 <sup>-10</sup>	1.04	9.32×10 <sup>-10</sup>	1.06	3.91×10 <sup>-4</sup>	1.04	1.57×10 <sup>-7</sup>
rs9611467	22	hg19.chr22:g.41426877C>T	<i>RBX1</i> [-]- <i>SNORD140</i>	T	C	1.04	7.38×10 <sup>-10</sup>	1.04	1.10×10 <sup>-9</sup>	1.04	1.10×10 <sup>-3</sup>	1.04	1.57×10 <sup>-7</sup>
rs9607768	22	hg19.chr22:g.41427446G>A	<i>RBX1</i> [-]- <i>SNORD140</i>	A	G	1.04	7.27×10 <sup>-10</sup>	1.04	1.09×10 <sup>-9</sup>	1.04	1.08×10 <sup>-3</sup>	1.04	1.60×10 <sup>-7</sup>
rs12484477	22	hg19.chr22:g.41429084G>A	<i>RBX1</i> [-]- <i>SNORD140</i>	A	G	1.04	8.04×10 <sup>-10</sup>	1.04	1.20×10 <sup>-9</sup>	1.04	1.21×10 <sup>-3</sup>	1.04	1.99×10 <sup>-7</sup>
rs71200640	22	hg19.chr22:g.41429341_41429342insCTGTATTGTA	<i>RBX1</i> [-]- <i>SNORD140</i>	T	TTG	0.96	6.59×10 <sup>-9</sup>	0.96	9.37×10 <sup>-9</sup>	0.95	2.71×10 <sup>-3</sup>	0.97	4.40×10 <sup>-7</sup>
rs9611468	22	hg19.chr22:g.41429342T>C	<i>RBX1</i> [-]- <i>SNORD140</i>	T	C	0.96	2.06×10 <sup>-9</sup>	0.96	3.01×10 <sup>-9</sup>	0.96	2.94×10 <sup>-3</sup>	0.97	1.74×10 <sup>-7</sup>
rs4820423	22	hg19.chr22:g.41430338A>T	<i>RBX1</i> [-]- <i>SNORD140</i>	A	T	0.97	1.09×10 <sup>-9</sup>	0.97	1.62×10 <sup>-9</sup>	0.96	1.54×10 <sup>-3</sup>	0.97	1.78×10 <sup>-7</sup>
rs4820425	22	hg19.chr22:g.41431342C>A	<i>RBX1</i> [-]- <i>SNORD140</i>	A	C	1.04	9.90×10 <sup>-10</sup>	1.04	1.47×10 <sup>-9</sup>	1.04	1.27×10 <sup>-3</sup>	1.04	1.95×10 <sup>-7</sup>
rs4820426	22	hg19.chr22:g.41432099C>T	<i>RBX1</i> [-]- <i>SNORD140</i>	T	C	1.04	1.14×10 <sup>-9</sup>	1.04	1.68×10 <sup>-9</sup>	1.04	1.48×10 <sup>-3</sup>	1.04	1.90×10 <sup>-7</sup>
rs4821982	22	hg19.chr22:g.41432104C>T	<i>RBX1</i> [-]- <i>SNORD140</i>	T	C	1.04	7.92×10 <sup>-10</sup>	1.04	1.18×10 <sup>-9</sup>	1.04	9.85×10 <sup>-4</sup>	1.04	1.89×10 <sup>-7</sup>
rs71200644	22	hg19.chr22:g.41432534_41432535insTTTAGATGGGG	<i>RBX1</i> [-]- <i>SNORD140</i>	CA	C	1.04	3.28×10 <sup>-9</sup>	1.04	4.74×10 <sup>-9</sup>	1.05	2.79×10 <sup>-3</sup>	1.04	2.41×10 <sup>-7</sup>
rs9611469	22	hg19.chr22:g.41433319T>C	<i>RBX1</i> [-]- <i>SNORD140</i>	T	C	0.97	1.67×10 <sup>-9</sup>	0.97	2.45×10 <sup>-9</sup>	0.97	2.88×10 <sup>-3</sup>	0.97	1.67×10 <sup>-7</sup>
rs73174657	22	hg19.chr22:g.41434158G>A	<i>RBX1</i> [-]- <i>SNORD140</i>	A	G	1.04	1.69×10 <sup>-9</sup>	1.04	2.48×10 <sup>-9</sup>	1.04	2.69×10 <sup>-3</sup>	1.04	1.69×10 <sup>-7</sup>
rs9607769	22	hg19.chr22:g.41434650G>A	<i>RBX1</i> [-]- <i>SNORD140</i>	A	G	1.04	1.16×10 <sup>-9</sup>	1.04	1.72×10 <sup>-9</sup>	1.04	1.96×10 <sup>-3</sup>	1.04	1.65×10 <sup>-7</sup>
rs9611474	22	hg19.chr22:g.41434858G>A	<i>RBX1</i> [-]- <i>SNORD140</i>	A	G	1.04	1.55×10 <sup>-9</sup>	1.04	2.29×10 <sup>-9</sup>	1.04	2.68×10 <sup>-3</sup>	1.04	1.67×10 <sup>-7</sup>
rs73174660	22	hg19.chr22:g.41437304T>C	<i>RBX1</i> [-]- <i>SNORD140</i>	T	C	0.97	1.70×10 <sup>-9</sup>	0.97	2.49×10 <sup>-9</sup>	0.97	2.94×10 <sup>-3</sup>	0.97	1.68×10 <sup>-7</sup>
rs4821989	22	hg19.chr22:g.41438061C>T	<i>RBX1</i> [-]- <i>SNORD140</i>	T	C	1.04	1.67×10 <sup>-9</sup>	1.04	2.45×10 <sup>-9</sup>	1.03	2.88×10 <sup>-3</sup>	1.04	1.61×10 <sup>-7</sup>
rs4821990	22	hg19.chr22:g.41438710T>G	<i>RBX1</i> [-]- <i>SNORD140</i>	T	G	0.97	1.66×10 <sup>-9</sup>	0.97	2.44×10 <sup>-9</sup>	0.97	2.87×10 <sup>-3</sup>	0.97	1.58×10 <sup>-7</sup>
rs12484971	22	hg19.chr22:g.41439304A>T	<i>RBX1</i> [-]- <i>SNORD140</i>	A	T	0.97	1.54×10 <sup>-9</sup>	0.97	2.26×10 <sup>-9</sup>	0.97	2.88×10 <sup>-3</sup>	0.97	1.51×10 <sup>-7</sup>
rs13055800	22	hg19.chr22:g.41440424G>A	<i>RBX1</i> [-]- <i>SNORD140</i>	A	G	1.04	1.56×10 <sup>-9</sup>	1.04	2.30×10 <sup>-9</sup>	1.03	2.93×10 <sup>-3</sup>	1.04	1.49×10 <sup>-7</sup>
rs4821991	22	hg19.chr22:g.41440683T>C	<i>RBX1</i> [-]- <i>SNORD140</i>	T	C	0.97	1.56×10 <sup>-9</sup>	0.97	2.30×10 <sup>-9</sup>	0.97	2.93×10 <sup>-3</sup>	0.97	1.49×10 <sup>-7</sup>
rs8142874	22	hg19.chr22:g.41450844G>A	<i>RBX1</i> [-]- <i>SNORD140</i>	A	G	1.04	1.93×10 <sup>-9</sup>	1.04	2.82×10 <sup>-9</sup>	1.03	3.65×10 <sup>-3</sup>	1.04	1.38×10 <sup>-7</sup>



rs28814423	22	hg19.chr22:g.41452301G>A	<i>RBX1</i> [-]- <i>SNORD140</i>	A	G	1.04	1.31×10 <sup>-9</sup>	1.04	1.93×10 <sup>-9</sup>	1.04	2.22×10 <sup>-3</sup>	1.04	1.51×10 <sup>-7</sup>
rs9619935	22	hg19.chr22:g.41456013C>G	<i>RBX1</i> [-]- <i>SNORD140</i>	C	G	0.97	1.99×10 <sup>-9</sup>	0.97	2.91×10 <sup>-9</sup>	0.97	3.47×10 <sup>-3</sup>	0.97	1.48×10 <sup>-7</sup>
rs9611486	22	hg19.chr22:g.41458784C>G	<i>RBX1</i> [-]- <i>SNORD140</i>	C	G	0.97	2.21×10 <sup>-9</sup>	0.97	3.23×10 <sup>-9</sup>	0.97	3.02×10 <sup>-3</sup>	0.97	1.78×10 <sup>-7</sup>
rs35060074	22	hg19.chr22:g.41458997A>C	<i>RBX1</i> [-]- <i>SNORD140</i>	A	C	0.97	2.71×10 <sup>-9</sup>	0.97	3.94×10 <sup>-9</sup>	0.97	4.79×10 <sup>-3</sup>	0.97	1.62×10 <sup>-7</sup>
rs13053242	22	hg19.chr22:g.41459486G>A	<i>RBX1</i> [-]- <i>SNORD140</i>	A	G	1.04	1.99×10 <sup>-9</sup>	1.04	2.91×10 <sup>-9</sup>	1.03	3.19×10 <sup>-3</sup>	1.04	1.57×10 <sup>-7</sup>
rs9611487	22	hg19.chr22:g.41460489C>T	<i>RBX1</i> [-]- <i>SNORD140</i>	T	C	1.04	1.91×10 <sup>-9</sup>	1.04	2.79×10 <sup>-9</sup>	1.03	3.05×10 <sup>-3</sup>	1.04	1.57×10 <sup>-7</sup>
rs5758209	22	hg19.chr22:g.41461865T>G	<i>RBX1</i> [-]- <i>SNORD140</i>	T	G	1.03	4.18×10 <sup>-8</sup>	1.03	5.07×10 <sup>-8</sup>	1.03	0.01	1.03	1.33×10 <sup>-6</sup>
rs9611488	22	hg19.chr22:g.41462592G>T	<i>RBX1</i> [-]- <i>SNORD140</i>	T	G	1.04	1.47×10 <sup>-9</sup>	1.04	2.17×10 <sup>-9</sup>	1.03	3.00×10 <sup>-3</sup>	1.04	1.22×10 <sup>-7</sup>
rs4821998	22	hg19.chr22:g.41468273C>G	<i>RBX1</i> [-]- <i>SNORD140</i>	C	G	0.97	1.21×10 <sup>-9</sup>	0.97	1.79×10 <sup>-9</sup>	0.97	3.14×10 <sup>-3</sup>	0.96	9.52×10 <sup>-8</sup>
rs12485034	22	hg19.chr22:g.41469877A>G	<i>RBX1</i> [-]- <i>SNORD140</i>	A	G	0.97	1.07×10 <sup>-9</sup>	0.97	1.59×10 <sup>-9</sup>	0.97	2.77×10 <sup>-3</sup>	0.97	9.55×10 <sup>-8</sup>
rs8136923	22	hg19.chr22:g.41470522G>A	<i>SNORD140</i> [-]- <i>MIR1281</i>	A	G	1.04	1.18×10 <sup>-9</sup>	1.04	1.74×10 <sup>-9</sup>	1.03	3.04×10 <sup>-3</sup>	1.04	9.51×10 <sup>-8</sup>
rs9607771	22	hg19.chr22:g.41474077G>A	<i>SNORD140</i> [-]- <i>MIR1281</i>	A	G	1.04	1.52×10 <sup>-9</sup>	1.04	2.23×10 <sup>-9</sup>	1.03	4.30×10 <sup>-3</sup>	1.04	9.23×10 <sup>-8</sup>
rs9623320	22	hg19.chr22:g.41478482G>A	<i>SNORD140</i> [-]- <i>MIR1281</i>	A	G	1.04	6.00×10 <sup>-10</sup>	1.04	9.02×10 <sup>-10</sup>	1.04	2.51×10 <sup>-3</sup>	1.04	6.19×10 <sup>-8</sup>
rs12157997	22	hg19.chr22:g.41479672G>A	<i>SNORD140</i> [-]- <i>MIR1281</i>	A	G	1.04	8.31×10 <sup>-10</sup>	1.04	1.24×10 <sup>-9</sup>	1.04	2.12×10 <sup>-3</sup>	1.04	1.30×10 <sup>-7</sup>
rs5995992	22	hg19.chr22:g.41487218T>C	<i>SNORD140</i> [-]- <i>MIR1281</i>	T	C	0.96	2.53×10 <sup>-10</sup>	0.96	3.88×10 <sup>-10</sup>	0.97	2.43×10 <sup>-3</sup>	0.96	2.40×10 <sup>-8</sup>
rs11090039	22	hg19.chr22:g.41496800G>A	[ <i>EP300</i> ]	A	G	1.04	2.41×10 <sup>-10</sup>	1.04	3.70×10 <sup>-10</sup>	1.04	1.95×10 <sup>-3</sup>	1.04	3.01×10 <sup>-8</sup>
rs13058113	22	hg19.chr22:g.41508414G>T	[ <i>EP300</i> ]	T	G	1.04	1.96×10 <sup>-10</sup>	1.04	3.01×10 <sup>-10</sup>	1.04	1.71×10 <sup>-3</sup>	1.04	2.80×10 <sup>-8</sup>
rs2064560	22	hg19.chr22:g.41530040A>G	[ <i>EP300</i> ]	A	G	0.96	1.66×10 <sup>-10</sup>	0.96	2.57×10 <sup>-10</sup>	0.96	1.32×10 <sup>-3</sup>	0.96	2.98×10 <sup>-8</sup>
rs9611503	22	hg19.chr22:g.41534356C>T	[ <i>EP300</i> ]	T	C	1.04	1.62×10 <sup>-10</sup>	1.04	2.50×10 <sup>-10</sup>	1.04	1.28×10 <sup>-3</sup>	1.04	2.93×10 <sup>-8</sup>
rs4820428	22	hg19.chr22:g.41537589A>G	[ <i>EP300</i> ]	A	G	0.96	1.57×10 <sup>-10</sup>	0.96	2.43×10 <sup>-10</sup>	0.96	1.24×10 <sup>-3</sup>	0.96	3.04×10 <sup>-8</sup>
rs4822008	22	hg19.chr22:g.41539206C>G	[ <i>EP300</i> ]	C	G	0.96	1.57×10 <sup>-10</sup>	0.96	2.42×10 <sup>-10</sup>	0.96	1.24×10 <sup>-3</sup>	0.96	3.05×10 <sup>-8</sup>
rs9611505	22	hg19.chr22:g.41540279T>C	[ <i>EP300</i> ]	T	C	0.96	1.52×10 <sup>-10</sup>	0.96	2.35×10 <sup>-10</sup>	0.96	1.20×10 <sup>-3</sup>	0.96	3.05×10 <sup>-8</sup>
rs20551	22	hg19.chr22:g.41548008A>G	[ <i>EP300</i> ]	A	G	0.96	1.84×10 <sup>-10</sup>	0.96	2.83×10 <sup>-10</sup>	0.96	1.22×10 <sup>-3</sup>	0.96	3.54×10 <sup>-8</sup>
rs2057070	22	hg19.chr22:g.41564287T>C	[ <i>EP300</i> ]	T	C	0.96	1.53×10 <sup>-10</sup>	0.96	2.37×10 <sup>-10</sup>	0.96	1.01×10 <sup>-3</sup>	0.96	3.41×10 <sup>-8</sup>
rs9611509	22	hg19.chr22:g.41565827A>G	[ <i>EP300</i> ]	A	G	0.96	1.40×10 <sup>-10</sup>	0.96	2.17×10 <sup>-10</sup>	0.96	9.97×10 <sup>-4</sup>	0.96	3.40×10 <sup>-8</sup>
rs6002271	22	hg19.chr22:g.41566595C>T	[ <i>EP300</i> ]	T	C	1.04	1.42×10 <sup>-10</sup>	1.04	2.20×10 <sup>-10</sup>	1.04	1.01×10 <sup>-3</sup>	1.04	3.39×10 <sup>-8</sup>
rs9611510	22	hg19.chr22:g.41569124T>C	[ <i>EP300</i> ]	T	C	0.96	1.14×10 <sup>-10</sup>	0.96	1.77×10 <sup>-10</sup>	0.96	7.98×10 <sup>-4</sup>	0.96	3.18×10 <sup>-8</sup>
rs35333608	22	hg19.chr22:g.41570145_41570146insT	[ <i>EP300</i> ]	CT	C	1.04	1.81×10 <sup>-10</sup>	1.04	2.78×10 <sup>-10</sup>	1.06	7.82×10 <sup>-4</sup>	1.04	3.50×10 <sup>-8</sup>
rs6002277	22	hg19.chr22:g.41582922G>C	[ <i>EP300-AS1</i> ]	C	G	1.04	8.85×10 <sup>-11</sup>	1.04	1.38×10 <sup>-10</sup>	1.04	5.45×10 <sup>-4</sup>	1.04	3.37×10 <sup>-8</sup>
rs6002278	22	hg19.chr22:g.41583156A>G	[ <i>EP300-AS1</i> ]	A	G	0.96	4.13×10 <sup>-9</sup>	0.96	5.93×10 <sup>-9</sup>	0.96	2.66×10 <sup>-3</sup>	0.97	4.59×10 <sup>-7</sup>
rs2092563	22	hg19.chr22:g.41592677G>A	[ <i>EP300-AS1</i> ]	A	G	1.04	1.51×10 <sup>-10</sup>	1.04	2.33×10 <sup>-10</sup>	1.04	1.18×10 <sup>-3</sup>	1.04	3.30×10 <sup>-8</sup>
rs136402	22	hg19.chr22:g.41598933G>A	<i>EP300-AS1</i> [-]- <i>L3MBTL2</i>	A	G	1.04	1.58×10 <sup>-10</sup>	1.04	2.44×10 <sup>-10</sup>	1.04	1.36×10 <sup>-3</sup>	1.04	2.75×10 <sup>-8</sup>
rs4820433	22	hg19.chr22:g.41607065C>G	[ <i>L3MBTL2</i> ]	C	G	0.96	2.41×10 <sup>-10</sup>	0.96	3.69×10 <sup>-10</sup>	0.96	1.36×10 <sup>-3</sup>	0.96	3.80×10 <sup>-8</sup>
rs3818003	22	hg19.chr22:g.41609690C>T	[ <i>L3MBTL2</i> ]	T	C	1.04	1.66×10 <sup>-10</sup>	1.04	2.55×10 <sup>-10</sup>	1.04	1.37×10 <sup>-3</sup>	1.04	4.14×10 <sup>-8</sup>
rs9611519	22	hg19.chr22:g.41613188C>T	[ <i>L3MBTL2</i> ]	T	C	1.04	2.07×10 <sup>-10</sup>	1.04	3.18×10 <sup>-10</sup>	1.04	1.27×10 <sup>-3</sup>	1.04	3.73×10 <sup>-8</sup>
rs9611520	22	hg19.chr22:g.41613303C>T	[ <i>L3MBTL2</i> ]	T	C	1.04	2.07×10 <sup>-10</sup>	1.04	3.18×10 <sup>-10</sup>	1.04	1.27×10 <sup>-3</sup>	1.04	3.70×10 <sup>-8</sup>
rs2273085	22	hg19.chr22:g.41615376C>T	[ <i>L3MBTL2</i> ]	T	C	1.04	2.29×10 <sup>-10</sup>	1.04	3.51×10 <sup>-10</sup>	1.04	1.41×10 <sup>-3</sup>	1.04	3.83×10 <sup>-8</sup>
rs5758264	22	hg19.chr22:g.41616284T>G	[ <i>L3MBTL2</i> ]	T	G	0.96	1.76×10 <sup>-10</sup>	0.96	2.71×10 <sup>-10</sup>	0.96	1.75×10 <sup>-3</sup>	0.96	3.37×10 <sup>-8</sup>
rs5758265	22	hg19.chr22:g.41617897G>A	[ <i>L3MBTL2</i> ]	A	G	1.04	6.19×10 <sup>-11</sup>	1.04	9.74×10 <sup>-11</sup>	1.04	7.77×10 <sup>-4</sup>	1.04	1.78×10 <sup>-8</sup>
rs5758266	22	hg19.chr22:g.41618880G>T	[ <i>L3MBTL2</i> ]	T	G	1.04	1.51×10 <sup>-10</sup>	1.04	2.34×10 <sup>-10</sup>	1.04	1.70×10 <sup>-3</sup>	1.04	2.10×10 <sup>-8</sup>
rs5758267	22	hg19.chr22:g.41619350T>A	[ <i>L3MBTL2</i> ]	A	T	1.04	1.58×10 <sup>-10</sup>	1.04	2.43×10 <sup>-10</sup>	1.04	1.62×10 <sup>-3</sup>	1.04	2.30×10 <sup>-8</sup>

rs2179744	22	hg19.chr22:g.41621714G>A	[L3MBTL2]	A	G	1.04	1.02×10 <sup>-10</sup>	1.04	1.58×10 <sup>-10</sup>	1.04	1.47×10 <sup>-3</sup>	1.04	1.79×10 <sup>-8</sup>
rs5758268	22	hg19.chr22:g.41622419A>T	[L3MBTL2]	A	T	0.96	1.04×10 <sup>-10</sup>	0.96	1.62×10 <sup>-10</sup>	0.96	1.37×10 <sup>-3</sup>	0.96	1.87×10 <sup>-8</sup>
rs5751069	22	hg19.chr22:g.41627775C>G	[CHADL]	C	G	0.96	5.42×10 <sup>-11</sup>	0.96	8.56×10 <sup>-11</sup>	0.96	4.58×10 <sup>-4</sup>	0.96	2.51×10 <sup>-8</sup>
rs9611522	22	hg19.chr22:g.41627924C>T	[CHADL]	T	C	1.04	1.09×10 <sup>-10</sup>	1.04	1.69×10 <sup>-10</sup>	1.04	1.73×10 <sup>-3</sup>	1.04	1.68×10 <sup>-8</sup>
rs4820434	22	hg19.chr22:g.41637119G>T	CHADL-[ ]-RANGAP1	T	G	1.03	1.81×10 <sup>-9</sup>	1.03	2.65×10 <sup>-9</sup>	1.03	0.01	1.04	5.72×10 <sup>-8</sup>
rs9611525	22	hg19.chr22:g.41640659C>T	CHADL-[ ]-RANGAP1	T	C	1.03	2.99×10 <sup>-8</sup>	1.03	3.78×10 <sup>-8</sup>	1.03	0.02	1.03	6.01×10 <sup>-7</sup>
rs3171692	22	hg19.chr22:g.41642212C>T	[RANGAP1]	T	C	1.03	8.67×10 <sup>-10</sup>	1.03	1.29×10 <sup>-9</sup>	1.03	3.17×10 <sup>-3</sup>	1.03	8.99×10 <sup>-8</sup>
rs1983631	22	hg19.chr22:g.41644074C>T	[RANGAP1]	T	C	1.03	1.13×10 <sup>-9</sup>	1.03	1.67×10 <sup>-9</sup>	1.03	3.19×10 <sup>-3</sup>	1.03	1.06×10 <sup>-7</sup>
rs9611527	22	hg19.chr22:g.41644428G>A	[RANGAP1]	A	G	1.03	1.68×10 <sup>-9</sup>	1.03	2.47×10 <sup>-9</sup>	1.03	3.41×10 <sup>-3</sup>	1.03	1.65×10 <sup>-7</sup>
rs9611528	22	hg19.chr22:g.41648502T>C	[RANGAP1]	T	C	0.97	2.82×10 <sup>-9</sup>	0.97	4.09×10 <sup>-9</sup>	0.97	8.01×10 <sup>-3</sup>	0.97	1.00×10 <sup>-7</sup>
rs7364221	22	hg19.chr22:g.41650190C>A	RANGAP1-[ ]-ZC3H7B	A	C	1.04	5.32×10 <sup>-10</sup>	1.04	8.01×10 <sup>-10</sup>	1.03	4.24×10 <sup>-3</sup>	1.04	4.41×10 <sup>-8</sup>
rs4820435	22	hg19.chr22:g.41652846G>T	RANGAP1-[ ]-ZC3H7B	T	G	1.03	2.61×10 <sup>-9</sup>	1.03	3.79×10 <sup>-9</sup>	1.03	8.74×10 <sup>-3</sup>	1.03	9.71×10 <sup>-8</sup>
rs2235849	22	hg19.chr22:g.41653540T>G	RANGAP1-[ ]-ZC3H7B	T	G	0.97	2.40×10 <sup>-9</sup>	0.97	3.50×10 <sup>-9</sup>	0.97	5.80×10 <sup>-3</sup>	0.97	1.23×10 <sup>-7</sup>
rs5751071	22	hg19.chr22:g.41656332G>A	RANGAP1-[ ]-ZC3H7B	A	G	1.03	1.68×10 <sup>-9</sup>	1.03	2.47×10 <sup>-9</sup>	1.03	6.16×10 <sup>-3</sup>	1.03	8.89×10 <sup>-8</sup>
rs5751072	22	hg19.chr22:g.41656509G>A	RANGAP1-[ ]-ZC3H7B	A	G	1.03	6.67×10 <sup>-9</sup>	1.03	9.49×10 <sup>-9</sup>	1.03	5.10×10 <sup>-3</sup>	1.03	3.89×10 <sup>-7</sup>
rs2235850	22	hg19.chr22:g.41657626C>T	RANGAP1-[ ]-ZC3H7B	T	C	1.03	1.78×10 <sup>-9</sup>	1.03	2.61×10 <sup>-9</sup>	1.03	4.66×10 <sup>-3</sup>	1.03	1.20×10 <sup>-7</sup>
rs2284079	22	hg19.chr22:g.41658632C>T	RANGAP1-[ ]-ZC3H7B	T	C	1.03	1.69×10 <sup>-9</sup>	1.03	2.47×10 <sup>-9</sup>	1.03	4.80×10 <sup>-3</sup>	1.03	1.10×10 <sup>-7</sup>
rs2413639	22	hg19.chr22:g.41659580G>A	RANGAP1-[ ]-ZC3H7B	A	G	1.03	1.38×10 <sup>-9</sup>	1.03	2.04×10 <sup>-9</sup>	1.03	3.94×10 <sup>-3</sup>	1.03	1.09×10 <sup>-7</sup>
rs2235852	22	hg19.chr22:g.41661154G>T	RANGAP1-[ ]-ZC3H7B	T	G	1.03	1.83×10 <sup>-9</sup>	1.03	2.69×10 <sup>-9</sup>	1.03	5.21×10 <sup>-3</sup>	1.03	1.04×10 <sup>-7</sup>
rs5758274	22	hg19.chr22:g.41664539A>G	RANGAP1-[ ]-ZC3H7B	A	G	0.97	2.08×10 <sup>-9</sup>	0.97	3.04×10 <sup>-9</sup>	0.97	5.98×10 <sup>-3</sup>	0.97	1.05×10 <sup>-7</sup>
rs5751074	22	hg19.chr22:g.41665722G>A	RANGAP1-[ ]-ZC3H7B	A	G	1.03	1.92×10 <sup>-9</sup>	1.03	2.82×10 <sup>-9</sup>	1.03	5.03×10 <sup>-3</sup>	1.03	1.15×10 <sup>-7</sup>
rs2267429	22	hg19.chr22:g.41667493G>C	RANGAP1-[ ]-ZC3H7B	C	G	1.03	2.44×10 <sup>-9</sup>	1.03	3.56×10 <sup>-9</sup>	1.03	6.39×10 <sup>-3</sup>	1.03	1.16×10 <sup>-7</sup>
rs9611540	22	hg19.chr22:g.41674203C>T	RANGAP1-[ ]-ZC3H7B	T	C	1.03	9.94×10 <sup>-10</sup>	1.03	1.48×10 <sup>-9</sup>	1.03	2.55×10 <sup>-3</sup>	1.03	1.24×10 <sup>-7</sup>
rs6002310	22	hg19.chr22:g.41675126A>G	RANGAP1-[ ]-ZC3H7B	A	G	0.97	1.53×10 <sup>-9</sup>	0.97	2.26×10 <sup>-9</sup>	0.97	2.81×10 <sup>-3</sup>	0.97	1.57×10 <sup>-7</sup>
rs9611542	22	hg19.chr22:g.41677317C>T	RANGAP1-[ ]-ZC3H7B	T	C	1.03	1.75×10 <sup>-9</sup>	1.03	2.57×10 <sup>-9</sup>	1.03	4.56×10 <sup>-3</sup>	1.03	1.26×10 <sup>-7</sup>
rs1969666	22	hg19.chr22:g.41683806A>C	RANGAP1-[ ]-ZC3H7B	A	C	0.97	1.12×10 <sup>-9</sup>	0.97	1.65×10 <sup>-9</sup>	0.97	3.44×10 <sup>-3</sup>	0.97	9.26×10 <sup>-8</sup>
rs1535048	22	hg19.chr22:g.41684093C>T	RANGAP1-[ ]-ZC3H7B	T	C	1.03	1.55×10 <sup>-9</sup>	1.03	2.28×10 <sup>-9</sup>	1.03	5.21×10 <sup>-3</sup>	1.03	8.68×10 <sup>-8</sup>
rs1984839	22	hg19.chr22:g.41685937G>C	RANGAP1-[ ]-ZC3H7B	C	G	1.03	1.36×10 <sup>-9</sup>	1.03	2.00×10 <sup>-9</sup>	1.03	9.51×10 <sup>-3</sup>	1.04	4.76×10 <sup>-8</sup>
rs9611545	22	hg19.chr22:g.41687665G>C	RANGAP1-[ ]-ZC3H7B	C	G	1.03	2.71×10 <sup>-9</sup>	1.03	3.94×10 <sup>-9</sup>	1.03	0.02	1.04	5.02×10 <sup>-8</sup>
rs5996013	22	hg19.chr22:g.41687853C>T	RANGAP1-[ ]-ZC3H7B	T	C	1.03	2.02×10 <sup>-8</sup>	1.03	2.71×10 <sup>-8</sup>	1.02	0.1	1.04	5.06×10 <sup>-8</sup>
rs10695546	22	hg19.chr22:g.41690058_41690059insTCTCCC	RANGAP1-[ ]-ZC3H7B	T	TTC	0.96	1.37×10 <sup>-9</sup>	0.96	2.03×10 <sup>-9</sup>	0.95	6.06×10 <sup>-3</sup>	0.96	4.70×10 <sup>-8</sup>
rs2024566	22	hg19.chr22:g.41697338A>G	RANGAP1-[ ]-ZC3H7B	A	G	0.97	1.83×10 <sup>-9</sup>	0.97	2.68×10 <sup>-9</sup>	0.97	0.01	0.97	5.24×10 <sup>-8</sup>
rs9611546	22	hg19.chr22:g.41698542C>G	[ZC3H7B]	C	G	0.97	3.93×10 <sup>-9</sup>	0.97	5.65×10 <sup>-9</sup>	0.97	9.11×10 <sup>-3</sup>	0.97	1.00×10 <sup>-7</sup>
rs2024567	22	hg19.chr22:g.41699206G>C	[ZC3H7B]	C	G	1.03	2.66×10 <sup>-9</sup>	1.03	3.86×10 <sup>-9</sup>	1.03	0.01	1.04	7.30×10 <sup>-8</sup>
rs2092564	22	hg19.chr22:g.41700030G>C	[ZC3H7B]	C	G	1.03	5.58×10 <sup>-9</sup>	1.03	7.97×10 <sup>-9</sup>	1.03	8.77×10 <sup>-3</sup>	1.03	1.80×10 <sup>-7</sup>
rs4822020	22	hg19.chr22:g.41700203C>T	[ZC3H7B]	T	C	1.03	3.79×10 <sup>-9</sup>	1.03	5.46×10 <sup>-9</sup>	1.03	0.01	1.04	7.25×10 <sup>-8</sup>
rs6002323	22	hg19.chr22:g.41701125T>C	[ZC3H7B]	T	C	0.97	8.02×10 <sup>-9</sup>	0.97	1.14×10 <sup>-8</sup>	0.97	0.02	0.97	1.40×10 <sup>-7</sup>
rs61298040	22	hg19.chr22:g.41701341T>C	[ZC3H7B]	T	C	0.97	1.69×10 <sup>-9</sup>	0.97	2.48×10 <sup>-9</sup>	0.97	3.99×10 <sup>-3</sup>	0.97	1.24×10 <sup>-7</sup>
rs1883825	22	hg19.chr22:g.41703408A>G	[ZC3H7B]	A	G	0.97	3.83×10 <sup>-9</sup>	0.97	5.52×10 <sup>-9</sup>	0.97	0.01	0.97	7.54×10 <sup>-8</sup>
rs1883826	22	hg19.chr22:g.41703428G>A	[ZC3H7B]	A	G	1.03	3.76×10 <sup>-9</sup>	1.03	5.42×10 <sup>-9</sup>	1.03	0.01	1.04	7.31×10 <sup>-8</sup>
rs1883827	22	hg19.chr22:g.41703579A>G	[ZC3H7B]	A	G	0.97	3.56×10 <sup>-9</sup>	0.97	5.14×10 <sup>-9</sup>	0.97	0.01	0.97	6.96×10 <sup>-8</sup>

rs9611548	22	hg19.chr22:g.41704143G>T	[ZC3H7B]	T	G	1.03	2.25×10 <sup>-9</sup>	1.03	3.29×10 <sup>-9</sup>	1.03	0.02	1.04	3.89×10 <sup>-8</sup>
rs9611549	22	hg19.chr22:g.41705909C>G	[ZC3H7B]	C	G	0.97	2.23×10 <sup>-9</sup>	0.97	3.26×10 <sup>-9</sup>	0.97	0.01	0.97	4.24×10 <sup>-8</sup>
rs9611550	22	hg19.chr22:g.41707054C>A	[ZC3H7B]	A	C	1.03	1.75×10 <sup>-9</sup>	1.03	2.57×10 <sup>-9</sup>	1.03	9.37×10 <sup>-3</sup>	1.04	5.23×10 <sup>-8</sup>
rs6002328	22	hg19.chr22:g.41710034T>C	[ZC3H7B]	T	C	0.96	2.94×10 <sup>-10</sup>	0.96	4.48×10 <sup>-10</sup>	0.97	4.55×10 <sup>-3</sup>	0.96	1.65×10 <sup>-8</sup>
rs9611555	22	hg19.chr22:g.41713111G>A	[ZC3H7B]	A	G	1.04	8.67×10 <sup>-10</sup>	1.04	1.29×10 <sup>-9</sup>	1.03	0.01	1.04	1.71×10 <sup>-8</sup>
rs6002333	22	hg19.chr22:g.41719469C>T	[ZC3H7B]	T	C	1.03	2.15×10 <sup>-8</sup>	1.03	2.89×10 <sup>-8</sup>	1.03	0.04	1.04	1.91×10 <sup>-7</sup>
rs5758297	22	hg19.chr22:g.41720697A>G	[ZC3H7B]	A	G	0.97	1.57×10 <sup>-8</sup>	0.97	2.19×10 <sup>-8</sup>	0.97	0.03	0.96	1.78×10 <sup>-7</sup>
rs5751077	22	hg19.chr22:g.41720728G>C	[ZC3H7B]	C	G	1.03	1.57×10 <sup>-8</sup>	1.03	2.19×10 <sup>-8</sup>	1.03	0.03	1.04	1.79×10 <sup>-7</sup>
rs3927	22	hg19.chr22:g.41722864T>C	[ZC3H7B]	T	C	0.97	2.34×10 <sup>-8</sup>	0.97	3.16×10 <sup>-8</sup>	0.97	0.04	0.96	2.02×10 <sup>-7</sup>
rs5758300	22	hg19.chr22:g.41725180C>G	[ZC3H7B]	C	G	0.97	1.64×10 <sup>-8</sup>	0.97	2.30×10 <sup>-8</sup>	0.97	0.03	0.96	1.72×10 <sup>-7</sup>
rs4822021	22	hg19.chr22:g.41726053G>A	[ZC3H7B]	A	G	1.03	2.34×10 <sup>-8</sup>	1.03	3.15×10 <sup>-8</sup>	1.03	0.03	1.04	1.94×10 <sup>-7</sup>
rs6002337	22	hg19.chr22:g.41726803T>G	[ZC3H7B]	T	G	0.97	2.06×10 <sup>-8</sup>	0.97	2.77×10 <sup>-8</sup>	0.97	0.03	0.96	2.06×10 <sup>-7</sup>
rs9611556	22	hg19.chr22:g.41727031G>A	[ZC3H7B]	A	G	1.03	1.60×10 <sup>-8</sup>	1.03	2.24×10 <sup>-8</sup>	1.03	0.03	1.04	1.66×10 <sup>-7</sup>
rs9611557	22	hg19.chr22:g.41727260T>A	[ZC3H7B]	A	T	1.03	2.36×10 <sup>-8</sup>	1.03	3.17×10 <sup>-8</sup>	1.03	0.05	1.04	1.35×10 <sup>-7</sup>
rs111779762	22	hg19.chr22:g.41727419_41727420insC	[ZC3H7B]	G	GC	0.96	4.41×10 <sup>-9</sup>	0.96	6.33×10 <sup>-9</sup>	0.96	0.01	0.96	1.23×10 <sup>-7</sup>
rs2143695	22	hg19.chr22:g.41728620T>C	[ZC3H7B]	T	C	0.97	2.94×10 <sup>-8</sup>	0.97	3.74×10 <sup>-8</sup>	0.97	0.03	0.96	2.29×10 <sup>-7</sup>
rs8137373	22	hg19.chr22:g.41729216G>A	[ZC3H7B]	A	G	1.03	3.03×10 <sup>-8</sup>	1.03	3.83×10 <sup>-8</sup>	1.03	0.03	1.04	2.59×10 <sup>-7</sup>
rs2235845	22	hg19.chr22:g.41729294T>G	[ZC3H7B]	T	G	0.97	2.98×10 <sup>-8</sup>	0.97	3.77×10 <sup>-8</sup>	0.97	0.03	0.96	2.32×10 <sup>-7</sup>
rs5758301	22	hg19.chr22:g.41732389T>C	[ZC3H7B]	T	C	0.97	2.14×10 <sup>-8</sup>	0.97	2.88×10 <sup>-8</sup>	0.97	0.03	0.96	2.25×10 <sup>-7</sup>
rs4822022	22	hg19.chr22:g.41733895A>G	[ZC3H7B]	A	G	0.97	4.57×10 <sup>-8</sup>	0.97	5.50×10 <sup>-8</sup>	0.97	0.04	0.97	3.07×10 <sup>-7</sup>
rs5751080	22	hg19.chr22:g.41736267A>G	[ZC3H7B]	A	G	0.97	4.39×10 <sup>-8</sup>	0.97	5.28×10 <sup>-8</sup>	0.98	0.04	0.97	2.85×10 <sup>-7</sup>
rs6002343	22	hg19.chr22:g.41742988A>G	[ZC3H7B]	A	G	0.97	3.48×10 <sup>-8</sup>	0.97	4.35×10 <sup>-8</sup>	0.97	0.03	0.97	3.97×10 <sup>-7</sup>
rs11090045	22	hg19.chr22:g.41753603G>A	[ZC3H7B]	A	G	1.03	1.05×10 <sup>-8</sup>	1.03	1.55×10 <sup>-8</sup>	1.03	0.02	1.04	2.13×10 <sup>-7</sup>
rs10678780	22	hg19.chr22:g.41759125_41759126insCT	ZC3H7B-[ ]-TEF	CC	C	1.04	1.84×10 <sup>-8</sup>	1.04	2.53×10 <sup>-8</sup>	1.05	4.08×10 <sup>-3</sup>	1.04	9.19×10 <sup>-7</sup>
rs5758314	22	hg19.chr22:g.41762523T>G	ZC3H7B-[ ]-TEF	T	G	0.97	3.11×10 <sup>-8</sup>	0.97	3.94×10 <sup>-8</sup>	0.97	0.03	0.97	3.40×10 <sup>-7</sup>
rs9611565	22	hg19.chr22:g.41767486T>C	[TEF]	T	C	0.97	1.75×10 <sup>-8</sup>	0.97	2.43×10 <sup>-8</sup>	0.97	0.04	0.96	1.52×10 <sup>-7</sup>
rs6002358	22	hg19.chr22:g.41769770A>C	[TEF]	A	C	0.97	4.28×10 <sup>-8</sup>	0.97	5.15×10 <sup>-8</sup>	0.98	0.05	0.96	2.31×10 <sup>-7</sup>

SNP dbSNP v147 variant ID, Chr chromosome, HGVS SNP variation description based on hg19 human genome reference sequence, RefSeq gene context for genic SNPs the relevant gene is listed within brackets and for intergenic SNPs the genes flanking the locus are listed, EA effect allele, NEA non-effect allele, FE meta-analysis fixed effect model meta-analysis, RE2 meta-analysis Han and Eskin's random-effects model meta-analysis, Migraine 2016 IHGC migraine GWAS, MDD 2016 23andMe MDD discovery GWAS, OR odds ratio for EA.

Supplementary Table 2. The 86 overlapping genes with $P_{\text{Fisher's-combined}} \leq 1 \times 10^{-3}$ in gene-based associations with 2016 IHGC migraine and 2013 PGC MDD												
Gene	Chr	Gene position	Fisher's combined $P$ value (gene-based $P$ value for migraine and MDD) <sup>a</sup>	Top SNP	HGVS	EA	NEA	Top SNP position	Migraine		MDD	
									OR	$P$ value	OR	$P$ value
<i>ADAMTSL4</i>	1	150521884–150533413	$7.56 \times 10^{-4}$ ( $4.78 \times 10^{-3}$ ; 0.015)	rs4971010	hg19.chr1:g.150515021A>G	A	G	150515021	1.04	$7.00 \times 10^{-4}$	1.02	0.39
				rs4971041	hg19.chr1:g.150537357C>T	C	T	150537357	0.99	0.22	1.07	$2.60 \times 10^{-3}$
<i>C1orf122</i>	1	38272651–38275126	$8.70 \times 10^{-4}$ ( $1.20 \times 10^{-3}$ ; 0.070)	rs12563037	hg19.chr1:g.38258644G>C	G	C	38258644	0.96	$3.78 \times 10^{-4}$	0.95	0.022
				rs12563037	hg19.chr1:g.38258644G>C	G	C	38258644	0.96	$3.78 \times 10^{-4}$	0.95	0.022
<i>C1orf51</i>	1	150254953–150259505	$5.24 \times 10^{-5}$ ( $3.36 \times 10^{-3}$ ; $1.16 \times 10^{-3}$ )	rs10888578	hg19.chr1:g.150260993T>C	T	C	150260993	0.96	$5.58 \times 10^{-4}$	0.98	0.43
				rs1050818	hg19.chr1:g.150266559A>C	A	C	150266559	1.00	0.74	1.10	$1.78 \times 10^{-4}$
<i>C1orf54</i>	1	150240600–150253335	$5.62 \times 10^{-5}$ ( $3.49 \times 10^{-3}$ ; $1.20 \times 10^{-3}$ )	rs10888578	hg19.chr1:g.150260993T>C	T	C	150260993	0.96	$5.58 \times 10^{-4}$	0.98	0.43
				rs1050818	hg19.chr1:g.150266559A>C	A	C	150266559	1.00	0.74	1.10	$1.78 \times 10^{-4}$
<i>ECM1</i>	1	150480487–150486265	$4.58 \times 10^{-6}$ ( $3.44 \times 10^{-4}$ ; $8.28 \times 10^{-4}$ )	rs13294	hg19.chr1:g.150484987G>A	G	A	150484987	1.04	$6.26 \times 10^{-5}$	0.95	0.016
				rs12116970	hg19.chr1:g.150466925C>T	C	T	150466925	1.00	0.69	1.10	$1.51 \times 10^{-4}$
<i>LINC00568</i>	1	150488233–150490508	$7.91 \times 10^{-5}$ ( $3.43 \times 10^{-4}$ ; 0.018)	rs3738487	hg19.chr1:g.150477061C>T	C	T	150477061	1.04	$6.01 \times 10^{-5}$	0.95	$9.40 \times 10^{-3}$
				rs12724450	hg19.chr1:g.150480571G>A	G	A	150480571	0.99	0.59	1.12	$2.98 \times 10^{-3}$
<i>MIR4257</i>	1	150524405–150524490	$3.76 \times 10^{-4}$ ( $3.25 \times 10^{-3}$ ; 0.010)	rs4971010	hg19.chr1:g.150515021A>G	A	G	150515021	1.04	$7.00 \times 10^{-4}$	1.02	0.39
				rs4971041	hg19.chr1:g.150537357C>T	C	T	150537357	0.99	0.22	1.07	$2.60 \times 10^{-3}$
<i>MRPS21</i>	1	150266269–150281414	$7.14 \times 10^{-6}$ ( $4.47 \times 10^{-4}$ ; $1.02 \times 10^{-3}$ )	rs1498308	hg19.chr1:g.150295131G>T	G	T	150295131	1.04	$7.78 \times 10^{-5}$	0.94	$7.41 \times 10^{-3}$
				rs1050818	hg19.chr1:g.150266559A>C	A	C	150266559	1.00	0.74	1.10	$1.78 \times 10^{-4}$
<i>NGF</i>	1	115828537–115880857	$8.43 \times 10^{-4}$ ( $8.87 \times 10^{-4}$ ; 0.091)	rs7523086	hg19.chr1:g.115823387G>A	G	A	115823387	1.05	$3.46 \times 10^{-5}$	1.01	0.51
				rs10776798	hg19.chr1:g.115862254A>C	C	A	115862254	0.98	0.20	0.92	$3.55 \times 10^{-3}$
<i>PRPF3</i>	1	150293925–150325704	$8.91 \times 10^{-5}$ ( $3.77 \times 10^{-4}$ ; 0.018)	rs1498308	hg19.chr1:g.150295131G>T	G	T	150295131	1.04	$7.78 \times 10^{-5}$	0.94	$7.42 \times 10^{-3}$
				rs11806171	hg19.chr1:g.150310827A>C	A	C	150310827	0.99	0.53	1.11	$4.08 \times 10^{-3}$
<i>RPRD2</i>	1	150335567–150449042	$6.88 \times 10^{-6}$ ( $3.45 \times 10^{-4}$ ; $1.27 \times 10^{-3}$ )	rs6662108	hg19.chr1:g.150420541C>A	C	A	150420541	1.04	$4.48 \times 10^{-5}$	0.94	$7.15 \times 10^{-3}$
				rs12738490	hg19.chr1:g.150402419T>C	T	C	150402419	0.99	0.67	1.10	$1.65 \times 10^{-4}$
<i>TARS2</i>	1	150459887–150480078	$4.11 \times 10^{-6}$ ( $3.25 \times 10^{-4}$ ; $7.81 \times 10^{-4}$ )	rs13294	hg19.chr1:g.150484987G>A	G	A	150484987	1.04	$6.26 \times 10^{-5}$	0.95	0.016
				rs12116970	hg19.chr1:g.150466925C>T	C	T	150466925	1.00	0.69	1.10	$1.51 \times 10^{-4}$

TMEM56	1	95582894–95663163	7.54×10 <sup>-4</sup> (4.59×10 <sup>-3</sup> ; 0.016)	rs1556742	hg19.chr1:g.95674341C>A	C	A	95674341	1.04	2.45×10 <sup>-4</sup>	1.02	0.38
				rs10874905	hg19.chr1:g.95598593A>C	A	C	95598593	1.05	8.22×10 <sup>-3</sup>	1.13	1.46×10 <sup>-3</sup>
TMEM56–RWDD3	1	95583479–95712781	9.08×10 <sup>-4</sup> (5.09×10 <sup>-3</sup> ; 0.017)	rs1556742	hg19.chr1:g.95674341C>A	C	A	95674341	1.04	2.45×10 <sup>-4</sup>	1.02	0.38
				rs10874905	hg19.chr1:g.95598593A>C	A	C	95598593	1.05	8.22×10 <sup>-3</sup>	1.13	1.46×10 <sup>-3</sup>
PTMA	2	232571605–232578251	3.84×10 <sup>-4</sup> (0.037; 9.21×10 <sup>-4</sup> )	rs6713758	hg19.chr2:g.232558842T>C	T	C	232558842	1.04	4.98×10 <sup>-3</sup>	1.08	9.17×10 <sup>-3</sup>
				rs11695646	hg19.chr2:g.232584807A>G	A	G	232584807	1.02	0.16	1.10	1.63×10 <sup>-4</sup>
ZC3H6	2	113033171–113097640	5.04×10 <sup>-4</sup> (7.67×10 <sup>-4</sup> ; 0.060)	rs12711738	hg19.chr2:g.113030784C>T	C	T	113030784	1.04	1.58×10 <sup>-4</sup>	0.97	0.13
				rs7601200	hg19.chr2:g.113089267T>C	C	T	113089267	1.02	0.052	0.95	0.015
ABCF3	3	183903811–183911800	9.18×10 <sup>-4</sup> (0.024; 3.64×10 <sup>-3</sup> )	rs11919795	hg19.chr3:g.183890868A>G	A	G	183890868	0.97	5.66×10 <sup>-3</sup>	1.05	0.089
				rs843367	hg19.chr3:g.183900338T>C	C	T	183900338	1.02	0.091	0.93	8.42×10 <sup>-4</sup>
AP2M1	3	183892477–183901879	1.74×10 <sup>-4</sup> (0.027; 5.35×10 <sup>-4</sup> )	rs11919795	hg19.chr3:g.183890868A>G	A	G	183890868	0.97	5.66×10 <sup>-3</sup>	1.05	0.089
				rs1709642	hg19.chr3:g.183881775A>G	A	G	183881775	0.98	0.072	1.09	1.13×10 <sup>-4</sup>
ATRIP	3	48488114–48507115	4.78×10 <sup>-4</sup> (1.20×10 <sup>-3</sup> ; 0.036)	rs11797	hg19.chr3:g.48508585C>T	C	T	48508585	0.96	4.70×10 <sup>-4</sup>	1.05	0.039
				rs4858795	hg19.chr3:g.48515079C>T	T	C	48515079	0.97	6.68×10 <sup>-3</sup>	1.06	0.013
CCDC51	3	48473574–48481866	5.32×10 <sup>-4</sup> (9.65×10 <sup>-4</sup> ; 0.050)	rs11130171	hg19.chr3:g.48462461A>G	A	G	48462461	0.96	5.72×10 <sup>-4</sup>	1.05	0.030
				rs11130171	hg19.chr3:g.48462461A>G	A	G	48462461	0.96	5.72×10 <sup>-4</sup>	1.05	0.030
DVL3	3	183873176–183891398	5.96×10 <sup>-5</sup> (0.037; 1.20×10 <sup>-4</sup> )	rs11919795	hg19.chr3:g.183890868A>G	A	G	183890868	0.97	5.66×10 <sup>-3</sup>	1.05	0.089
				rs1969253	hg19.chr3:g.183876512A>C	A	C	183876512	0.99	0.21	1.10	1.83×10 <sup>-5</sup>
FBXW12	3	48413709–48442666	2.55×10 <sup>-4</sup> (8.01×10 <sup>-4</sup> ; 0.027)	rs9815103	hg19.chr3:g.48414215G>A	G	A	48414215	0.97	7.88×10 <sup>-4</sup>	1.05	0.026
				rs9815103	hg19.chr3:g.48414215G>A	G	A	48414215	0.97	7.88×10 <sup>-4</sup>	1.05	0.026
PLXNB1	3	48445261–48471594	1.74×10 <sup>-4</sup> (4.74×10 <sup>-4</sup> ; 0.030)	rs9826195	hg19.chr3:g.48433635A>C	A	C	48433635	0.96	4.74×10 <sup>-4</sup>	1.05	0.030
				rs9826195	hg19.chr3:g.48433635A>C	A	C	48433635	0.96	4.74×10 <sup>-4</sup>	1.05	0.030
SHISA5	3	48509197–48542259	5.18×10 <sup>-4</sup> (1.20×10 <sup>-3</sup> ; 0.040)	rs6776700	hg19.chr3:g.48496758G>A	G	A	48496758	0.96	4.51×10 <sup>-4</sup>	1.05	0.034
				rs4858795	hg19.chr3:g.48515079C>T	T	C	48515079	0.97	6.68×10 <sup>-3</sup>	1.06	0.013
TMA7	3	48481667–48485616	6.97×10 <sup>-4</sup> (1.14×10 <sup>-3</sup> ; 0.058)	rs2290822	hg19.chr3:g.48473204A>G	A	G	48473204	0.97	6.73×10 <sup>-4</sup>	1.05	0.034
				rs2290822	hg19.chr3:g.48473204A>G	A	G	48473204	0.97	6.73×10 <sup>-4</sup>	1.05	0.034
TREX1	3	48506445–48509044	2.17×10 <sup>-4</sup> (7.44×10 <sup>-4</sup> ; 0.025)	rs6776700	hg19.chr3:g.48496758G>A	G	A	48496758	0.96	4.51×10 <sup>-4</sup>	1.05	0.033
				rs4858795	hg19.chr3:g.48515079C>T	T	C	48515079	0.97	6.68×10 <sup>-3</sup>	1.06	0.013
VWA5B2	3	183948217–183960117	2.28×10 <sup>-4</sup> (0.016; 1.18×10 <sup>-3</sup> )	rs843348	hg19.chr3:g.183945237A>C	A	C	183945237	0.97	4.85×10 <sup>-3</sup>	1.00	0.96
				rs2668193	hg19.chr3:g.183936680G>A	G	A	183936680	1.01	0.21	0.92	3.50×10 <sup>-4</sup>
ANKDD1B	5	74907284–74967671	1.57×10 <sup>-6</sup> (1.81×10 <sup>-6</sup> ; 0.0050)	rs34358	hg19.chr5:g.74965122G>A	A	G	74965122	0.94	1.49×10 <sup>-7</sup>	1.02	0.38
				rs904743	hg19.chr5:g.74917862A>G	A	G	74917862	0.97	0.039	1.09	4.30×10 <sup>-3</sup>
CCDC125	5	68576002–68628636	9.85×10 <sup>-4</sup> (2.39×10 <sup>-3</sup> ; 0.040)	rs4423955	hg19.chr5:g.68567975C>T	C	T	68567975	0.96	4.37×10 <sup>-4</sup>	1.04	0.070
				rs4077460	hg19.chr5:g.68572668C>T	T	C	68572668	1.01	0.30	0.95	8.46×10 <sup>-3</sup>
CDK7	5	68530622–68573257	6.49×10 <sup>-4</sup> (1.51×10 <sup>-3</sup> ; 0.040)	rs2972357	hg19.chr5:g.68528843A>G	A	G	68528843	0.96	3.18×10 <sup>-4</sup>	1.04	0.091
				rs4077460	hg19.chr5:g.68572668C>T	T	C	68572668	1.01	0.30	0.95	8.46×10 <sup>-3</sup>
CENPH	5	68485375–68506184	6.88×10 <sup>-4</sup> (9.37×10 <sup>-4</sup> ; 0.069)	rs1976101	hg19.chr5:g.68496452T>G	T	G	68496452	0.96	2.89×10 <sup>-4</sup>	1.04	0.098
				rs676012	hg19.chr5:g.68504967C>T	T	C	68504967	1.01	0.25	0.95	0.021
GABRP	5	170190354–170241051	3.62×10 <sup>-4</sup> (3.11×10 <sup>-3</sup> ; 0.010)	rs11134654	hg19.chr5:g.170240423A>C	C	A	170240423	1.05	2.04×10 <sup>-4</sup>	1.02	0.47
				rs10475959	hg19.chr5:g.170197866G>C	C	G	170197866	1.01	0.43	0.93	6.74×10 <sup>-4</sup>
GRK6	5		2.72×10 <sup>-4</sup>	rs2731664	hg19.chr5:g.176859848C>A	C	A	176859848	0.96	1.93×10 <sup>-4</sup>	1.01	0.64

		176830205– 176869902	(5.66×10 <sup>-4</sup> ; 0.041)	rs2545801	hg19.chr5:g.176841339T>C	T	C	176841339	0.99	0.39	0.94	0.014
<i>LOC100505841</i>	5	121495871– 121518358	2.35×10 <sup>-4</sup> (8.64×10 <sup>-4</sup> ; 0.023)	rs17432743	hg19.chr5:g.121504647G>C	G	C	121504647	0.94	1.41×10 <sup>-4</sup>	1.00	0.95
				rs9112	hg19.chr5:g.121518309G>A	G	A	121518309	1.02	0.15	1.07	3.76×10 <sup>-3</sup>
<i>MRPS36</i>	5	68513573– 68525985	7.99×10 <sup>-4</sup> (1.35×10 <sup>-3</sup> ; 0.056)	rs2972357	hg19.chr5:g.68528843A>G	A	G	68528843	0.96	3.18×10 <sup>-4</sup>	1.04	0.091
				rs2972381	hg19.chr5:g.68538242T>C	C	T	68538242	1.01	0.29	0.95	0.013
<i>RANBP17</i>	5	170288874– 170727019	7.79×10 <sup>-4</sup> (1.03×10 <sup>-3</sup> ; 0.072)	rs2591499	hg19.chr5:g.170519817G>A	A	G	170519817	1.04	1.22×10 <sup>-4</sup>	1.00	0.89
				rs17747933	hg19.chr5:g.170672684C>A	C	A	170672684	1.00	0.75	0.93	0.011
<i>TLX3</i>	5	170736288– 170739138	3.87×10 <sup>-4</sup> (1.09×10 <sup>-3</sup> ; 0.031)	rs2914332	hg19.chr5:g.170726798C>T	T	C	170726798	1.05	2.45×10 <sup>-4</sup>	1.07	0.012
				rs2964534	hg19.chr5:g.170741595G>A	G	A	170741595	0.97	0.015	0.94	0.010
<i>CLDN20</i>	6	155585147– 155597682	3.57×10 <sup>-4</sup> (0.012; 2.53×10 <sup>-3</sup> )	rs6557416	hg19.chr6:g.155605487A>C	C	A	155605487	1.03	1.69×10 <sup>-3</sup>	1.03	0.16
				rs2281838	hg19.chr6:g.155582350G>A	G	A	155582350	1.01	0.58	1.22	4.00×10 <sup>-4</sup>
<i>GPRI26</i>	6	142622991– 142767403	7.63×10 <sup>-4</sup> (2.74×10 <sup>-3</sup> ; 0.026)	rs2050157	hg19.chr6:g.142658162G>A	G	A	142658162	0.96	3.64×10 <sup>-4</sup>	0.98	0.48
				rs9376683	hg19.chr6:g.142626699T>C	T	C	142626699	1.01	0.53	0.86	3.34×10 <sup>-3</sup>
<i>KCNK5</i>	6	39156747– 39197251	1.39×10 <sup>-7</sup> (7.59×10 <sup>-8</sup> ; 0.093)	rs9394578	hg19.chr6:g.39165859C>A	C	A	39165859	0.93	3.97×10 <sup>-9</sup>	1.03	0.23
				rs2815095	hg19.chr6:g.39156108T>C	C	T	39156108	0.95	1.34×10 <sup>-5</sup>	1.07	4.90×10 <sup>-3</sup>
<i>TFB1M</i>	6	155577264– 155635627	6.80×10 <sup>-4</sup> (0.017; 3.82×10 <sup>-3</sup> )	rs950994	hg19.chr6:g.155621019G>A	G	A	155621019	0.96	9.93×10 <sup>-4</sup>	1.00	0.83
				rs2281838	hg19.chr6:g.155582350G>A	G	A	155582350	1.01	0.58	1.22	4.00×10 <sup>-4</sup>
<i>LEPROTL1</i>	8	29952914– 30034724	4.36×10 <sup>-5</sup> (3.27×10 <sup>-5</sup> ; 0.098)	rs11773937	hg19.chr8:g.29948765G>A	A	G	29948765	0.90	6.60×10 <sup>-6</sup>	1.00	0.94
				rs4733396	hg19.chr8:g.30003405C>T	T	C	30003405	0.95	5.83×10 <sup>-3</sup>	1.09	0.021
<i>MBOAT4</i>	8	29989187– 30002202	1.79×10 <sup>-5</sup> (3.38×10 <sup>-5</sup> ; 0.036)	rs12547941	hg19.chr8:g.29980332A>G	G	A	29980332	0.94	1.84×10 <sup>-5</sup>	1.02	0.53
				rs4733396	hg19.chr8:g.30003405C>T	T	C	30003405	0.95	5.83×10 <sup>-3</sup>	1.09	0.021
<i>NEFM</i>	8	24770525– 24776607	2.77×10 <sup>-4</sup> (3.87×10 <sup>-3</sup> ; 6.14×10 <sup>-3</sup> )	rs196864	hg19.chr8:g.24774683C>A	A	C	24774683	0.93	6.92×10 <sup>-4</sup>	1.02	0.68
				rs10096842	hg19.chr8:g.24768843C>T	C	T	24768843	1.03	0.11	1.14	1.68×10 <sup>-3</sup>
<i>LINC00950</i>	9	35860271– 35865515	6.05×10 <sup>-4</sup> (7.06×10 <sup>-3</sup> ; 7.93×10 <sup>-3</sup> )	rs1407297	hg19.chr9:g.35847756T>C	C	T	35847756	0.94	1.07×10 <sup>-3</sup>	0.94	0.15
				rs12554095	hg19.chr9:g.35856634G>A	G	A	35856634	0.99	0.71	0.90	1.20×10 <sup>-3</sup>
<i>LOC100507346</i>	9	98225891– 98232301	4.49×10 <sup>-4</sup> (1.42×10 <sup>-3</sup> ; 0.029)	rs16909898	hg19.chr9:g.98231008A>G	A	G	98231008	0.94	6.24×10 <sup>-4</sup>	0.91	0.013
				rs16909898	hg19.chr9:g.98231008A>G	A	G	98231008	0.94	6.24×10 <sup>-4</sup>	0.91	0.013
<i>OR13J1</i>	9	35869375– 35870461	7.69×10 <sup>-4</sup> (9.37×10 <sup>-3</sup> ; 7.80×10 <sup>-3</sup> )	rs4879932	hg19.chr9:g.35860341T>C	C	T	35860341	0.94	1.62×10 <sup>-3</sup>	0.95	0.17
				rs12554095	hg19.chr9:g.35856634G>A	G	A	35856634	0.99	0.71	0.90	1.20×10 <sup>-3</sup>
<i>PAX5</i>	9	36833272– 37034476	8.23×10 <sup>-4</sup> (8.42×10 <sup>-3</sup> ; 9.36×10 <sup>-3</sup> )	rs1888018	hg19.chr9:g.37008984A>T	T	A	37008984	0.96	1.55×10 <sup>-4</sup>	0.96	0.093
				rs10814470	hg19.chr9:g.36900212G>A	G	A	36900212	1.01	0.49	0.91	2.34×10 <sup>-4</sup>
<i>TMEM8B</i>	9	35814448– 35854844	8.36×10 <sup>-4</sup> (7.66×10 <sup>-3</sup> ; 0.011)	rs10738949	hg19.chr9:g.35836259T>C	C	T	35836259	0.94	9.47×10 <sup>-4</sup>	0.94	0.15
				rs12554095	hg19.chr9:g.35856634G>A	G	A	35856634	0.99	0.71	0.90	1.20×10 <sup>-3</sup>
<i>AS3MT</i>	10	104629210– 104661656	2.46×10 <sup>-5</sup> (6.04×10 <sup>-4</sup> ; 2.85×10 <sup>-3</sup> )	rs11191438	hg19.chr10:g.104637864G>C	G	C	104637864	0.96	1.29×10 <sup>-4</sup>	1.07	3.30×10 <sup>-3</sup>
				rs7096169	hg19.chr10:g.104618695A>G	A	G	104618695	0.97	8.54×10 <sup>-3</sup>	1.08	8.14×10 <sup>-4</sup>
<i>C10orf32</i>	10	104613967– 104624718	2.53×10 <sup>-5</sup> (6.13×10 <sup>-4</sup> ; 2.89×10 <sup>-3</sup> )	rs11191438	hg19.chr10:g.104637864G>C	G	C	104637864	0.96	1.29×10 <sup>-4</sup>	1.07	3.30×10 <sup>-3</sup>
				rs7096169	hg19.chr10:g.104618695A>G	A	G	104618695	0.97	8.54×10 <sup>-3</sup>	1.08	8.14×10 <sup>-4</sup>
<i>C10orf32– AS3MT</i>	10	104613967– 104661656	3.14×10 <sup>-5</sup> (6.89×10 <sup>-4</sup> ; 3.25×10 <sup>-3</sup> )	rs11191438	hg19.chr10:g.104637864G>C	G	C	104637864	0.96	1.29×10 <sup>-4</sup>	1.07	3.30×10 <sup>-3</sup>
				rs7096169	hg19.chr10:g.104618695A>G	A	G	104618695	0.97	8.54×10 <sup>-3</sup>	1.08	8.14×10 <sup>-4</sup>
<i>CNNM2</i>	10		3.92×10 <sup>-5</sup>	rs4532960	hg19.chr10:g.104667406C>T	C	T	104667406	0.96	1.02×10 <sup>-4</sup>	1.07	2.79×10 <sup>-3</sup>

		104678050–104849978	(3.22×10 <sup>-4</sup> ; 8.82×10 <sup>-3</sup> )	rs4532960	hg19.chr10:g.104667406C>T	C	T	104667406	0.96	1.02×10 <sup>-4</sup>	1.07	2.79×10 <sup>-3</sup>
KIAA1217	10	23983675–24836772	1.68×10 <sup>-4</sup> (0.030; 4.66×10 <sup>-4</sup> )	rs11014114	hg19.chr10:g.24781090G>A	G	A	24781090	1.05	6.37×10 <sup>-4</sup>	1.03	0.38
				rs1556406	hg19.chr10:g.24789614T>C	T	C	24789614	0.97	0.013	0.91	1.00×10 <sup>-5</sup>
NT5C2	10	104845940–104953056	6.86×10 <sup>-5</sup> (3.74×10 <sup>-4</sup> ; 0.014)	rs7092200	hg19.chr10:g.104844872T>C	T	C	104844872	0.96	5.31×10 <sup>-5</sup>	1.06	9.70×10 <sup>-3</sup>
				rs11191593	hg19.chr10:g.104939215T>C	T	C	104939215	0.98	0.22	1.12	3.49×10 <sup>-3</sup>
BAD	11	64037300–64052176	4.17×10 <sup>-4</sup> (0.012; 3.07×10 <sup>-3</sup> )	rs477895	hg19.chr11:g.64048912C>T	T	C	64048912	0.96	2.02×10 <sup>-3</sup>	0.95	0.093
				rs2244621	hg19.chr11:g.64026219C>T	C	T	64026219	1.01	0.53	1.11	5.11×10 <sup>-4</sup>
FKBP2	11	64008413–64011607	1.97×10 <sup>-4</sup> (6.02×10 <sup>-3</sup> ; 2.72×10 <sup>-3</sup> )	rs11607007	hg19.chr11:g.64007976C>T	C	T	64007976	0.96	1.13×10 <sup>-3</sup>	0.96	0.20
				rs2244621	hg19.chr11:g.64026219C>T	C	T	64026219	1.01	0.53	1.11	5.11×10 <sup>-4</sup>
KCNK4	11	64058774–64067503	9.82×10 <sup>-4</sup> (5.08×10 <sup>-3</sup> ; 0.019)	rs477895	hg19.chr11:g.64048912C>T	T	C	64048912	0.96	2.02×10 <sup>-3</sup>	0.95	0.093
				rs671976	hg19.chr11:g.64046029G>A	A	G	64046029	0.98	0.088	0.94	7.49×10 <sup>-3</sup>
MIR326	11	75046136–75046230	8.89×10 <sup>-4</sup> (0.035; 2.42×10 <sup>-3</sup> )	rs616191	hg19.chr11:g.75044798T>C	T	C	75044798	1.03	7.02×10 <sup>-3</sup>	1.01	0.82
				rs17133921	hg19.chr11:g.75034986G>A	G	A	75034986	1.02	0.36	0.87	4.81×10 <sup>-4</sup>
PLCB3	11	64018995–64036924	5.32×10 <sup>-4</sup> (0.010; 4.69×10 <sup>-3</sup> )	rs11607007	hg19.chr11:g.64007976C>T	C	T	64007976	0.96	1.13×10 <sup>-3</sup>	0.96	0.20
				rs2244621	hg19.chr11:g.64026219C>T	C	T	64026219	1.01	0.53	1.11	5.11×10 <sup>-4</sup>
PPP1R14B	11	64011951–64014413	2.57×10 <sup>-4</sup> (6.96×10 <sup>-3</sup> ; 3.15×10 <sup>-3</sup> )	rs11607007	hg19.chr11:g.64007976C>T	C	T	64007976	0.96	1.13×10 <sup>-3</sup>	0.96	0.20
				rs2244621	hg19.chr11:g.64026219C>T	C	T	64026219	1.01	0.53	1.11	5.11×10 <sup>-4</sup>
MIR4304	12	123495214–123495275	1.58×10 <sup>-4</sup> (4.11×10 <sup>-4</sup> ; 0.031)	rs940904	hg19.chr12:g.123491572G>A	A	G	123491572	1.05	0.030	1.05	2.59×10 <sup>-4</sup>
				rs940904	hg19.chr12:g.123491572G>A	A	G	123491572	1.05	0.030	1.05	2.59×10 <sup>-4</sup>
MPHOSPH9	12	123636867–123728561	5.92×10 <sup>-4</sup> (1.69×10 <sup>-3</sup> ; 0.032)	rs1790098	hg19.chr12:g.123655481A>C	C	A	123655481	1.05	4.27×10 <sup>-4</sup>	1.06	0.025
				rs1727302	hg19.chr12:g.123632930G>A	A	G	123632930	1.04	2.35×10 <sup>-3</sup>	1.07	8.16×10 <sup>-3</sup>
OGFOD2	12	123459127–123464590	3.71×10 <sup>-4</sup> (1.09×10 <sup>-3</sup> ; 0.030)	rs937564	hg19.chr12:g.123477311T>C	C	T	123477311	1.04	7.12×10 <sup>-4</sup>	1.06	0.021
				rs937564	hg19.chr12:g.123477311T>C	C	T	123477311	1.04	7.12×10 <sup>-4</sup>	1.06	0.021
FARP1	13	98794816–99102027	4.59×10 <sup>-4</sup> (1.84×10 <sup>-3</sup> ; 0.023)	rs285100	hg19.chr13:g.98812682A>G	G	A	98812682	1.04	1.32×10 <sup>-4</sup>	1.07	3.36×10 <sup>-3</sup>
				rs4238213	hg19.chr13:g.98869342G>T	T	G	98869342	1.02	0.054	0.93	1.32×10 <sup>-3</sup>
RAB20	13	111175413–111214080	4.32×10 <sup>-4</sup> (2.30×10 <sup>-3</sup> ; 0.017)	rs418543	hg19.chr13:g.111179796C>T	T	C	111179796	0.96	1.29×10 <sup>-4</sup>	0.96	0.093
				rs2479429	hg19.chr13:g.111177672A>G	G	A	111177672	1.01	0.29	1.08	7.37×10 <sup>-4</sup>
RNF113B	13	98828039–98829521	1.75×10 <sup>-4</sup> (6.55×10 <sup>-4</sup> ; 0.022)	rs9513367	hg19.chr13:g.98816587C>T	C	T	98816587	1.05	1.79×10 <sup>-4</sup>	1.08	3.27×10 <sup>-3</sup>
				rs9513367	hg19.chr13:g.98816587C>T	C	T	98816587	1.05	1.79×10 <sup>-4</sup>	1.08	3.27×10 <sup>-3</sup>
DLST	14	75348594–75370450	1.27×10 <sup>-5</sup> (6.84×10 <sup>-4</sup> ; 1.24×10 <sup>-3</sup> )	rs4903262	hg19.chr14:g.75340818G>A	G	A	75340818	1.04	2.20×10 <sup>-4</sup>	1.01	0.61
				rs8007114	hg19.chr14:g.75349432T>C	T	C	75349432	0.98	0.21	1.16	2.39×10 <sup>-4</sup>
PROX2	14	75319736–75330537	2.46×10 <sup>-4</sup> (7.35×10 <sup>-4</sup> ; 0.028)	rs4903262	hg19.chr14:g.75340818G>A	G	A	75340818	1.04	2.20×10 <sup>-4</sup>	1.01	0.61
				rs17102763	hg19.chr14:g.75321408A>G	A	G	75321408	0.98	0.26	1.12	5.44×10 <sup>-3</sup>
RPS6KL1	14	75370657–75390099	7.24×10 <sup>-4</sup> (1.32×10 <sup>-3</sup> ; 0.052)	rs2300599	hg19.chr14:g.75359441T>C	T	C	75359441	1.04	2.31×10 <sup>-4</sup>	1.01	0.58
				rs1799900	hg19.chr14:g.75367740G>A	A	G	75367740	0.97	2.20×10 <sup>-3</sup>	0.95	9.05×10 <sup>-3</sup>
E2F4	16	67226068–67232821	6.26×10 <sup>-4</sup> (0.016; 3.63×10 <sup>-3</sup> )	rs868213	hg19.chr16:g.67220457A>G	A	G	67220457	0.95	0.016	0.88	3.08×10 <sup>-3</sup>
				rs868213	hg19.chr16:g.67220457A>G	A	G	67220457	0.95	0.016	0.88	3.08×10 <sup>-3</sup>
ELMO3	16	67233014–67237932	6.26×10 <sup>-4</sup> (0.016; 3.63×10 <sup>-3</sup> )	rs868213	hg19.chr16:g.67220457A>G	A	G	67220457	0.95	0.016	0.88	3.08×10 <sup>-3</sup>
				rs868213	hg19.chr16:g.67220457A>G	A	G	67220457	0.95	0.016	0.88	3.08×10 <sup>-3</sup>
EXOC3L1	16		4.43×10 <sup>-4</sup>	rs868213	hg19.chr16:g.67220457A>G	A	G	67220457	0.95	0.016	0.88	3.08×10 <sup>-3</sup>

		67218269–67224107	(0.019; 2.04×10 <sup>-3</sup> )	rs2233455	hg19.chr16:g.67207933C>T	C	T	67207933	0.96	0.024	0.87	1.43×10 <sup>-3</sup>
<i>FHOD1</i>	16	67263290–67281561	3.69×10 <sup>-4</sup> (0.015; 2.14×10 <sup>-3</sup> )	rs3852700	hg19.chr16:g.67271858T>C	T	C	67271858	0.95	0.011	0.88	1.50×10 <sup>-3</sup>
				rs3852700	hg19.chr16:g.67271858T>C	T	C	67271858	0.95	0.011	0.88	1.50×10 <sup>-3</sup>
<i>KIAA0895L</i>	16	67209505–67217943	4.43×10 <sup>-4</sup> (0.019; 2.04×10 <sup>-3</sup> )	rs868213	hg19.chr16:g.67220457A>G	A	G	67220457	0.95	0.016	0.88	3.08×10 <sup>-3</sup>
				rs2233455	hg19.chr16:g.67207933C>T	C	T	67207933	0.96	0.024	0.87	1.43×10 <sup>-3</sup>
<i>LRRC29</i>	16	67241042–67260951	3.69×10 <sup>-4</sup> (0.015; 2.14×10 <sup>-3</sup> )	rs3852700	hg19.chr16:g.67271858T>C	T	C	67271858	0.95	0.011	0.88	1.50×10 <sup>-3</sup>
				rs3852700	hg19.chr16:g.67271858T>C	T	C	67271858	0.95	0.011	0.88	1.50×10 <sup>-3</sup>
<i>MIR328</i>	16	67236224–67236298	5.79×10 <sup>-4</sup> (0.016; 3.33×10 <sup>-3</sup> )	rs2346676	hg19.chr16:g.67223803A>G	A	G	67223803	0.95	0.016	0.88	2.82×10 <sup>-3</sup>
				rs2346676	hg19.chr16:g.67223803A>G	A	G	67223803	0.95	0.016	0.88	2.82×10 <sup>-3</sup>
<i>NOL3</i>	16	67204057–67209643	3.49×10 <sup>-4</sup> (0.018; 1.67×10 <sup>-3</sup> )	rs868213	hg19.chr16:g.67220457A>G	A	G	67220457	0.95	0.016	0.88	3.08×10 <sup>-3</sup>
				rs2233455	hg19.chr16:g.67207933C>T	C	T	67207933	0.96	0.024	0.87	1.43×10 <sup>-3</sup>
<i>TMEM208</i>	16	67261006–67263182	3.69×10 <sup>-4</sup> (0.015; 2.14×10 <sup>-3</sup> )	rs3852700	hg19.chr16:g.67271858T>C	T	C	67271858	0.95	0.011	0.87	1.50×10 <sup>-3</sup>
				rs3852700	hg19.chr16:g.67271858T>C	T	C	67271858	0.95	0.011	0.87	1.50×10 <sup>-3</sup>
<i>AMZ2P1</i>	17	62962668–62971703	8.40×10 <sup>-5</sup> (1.02×10 <sup>-3</sup> ; 6.34×10 <sup>-3</sup> )	rs17685439	hg19.chr17:g.62981333A>C	C	A	62981333	1.09	1.02×10 <sup>-3</sup>	0.90	6.34×10 <sup>-3</sup>
				rs17685439	hg19.chr17:g.62981333A>C	C	A	62981333	1.09	1.02×10 <sup>-3</sup>	0.90	6.34×10 <sup>-3</sup>
<i>SERPINF1</i>	17	1665253–1680868	5.28×10 <sup>-5</sup> (1.63×10 <sup>-3</sup> ; 2.41×10 <sup>-3</sup> )	rs9889773	hg19.chr17:g.1680318A>G	A	G	1680318	1.04	2.38×10 <sup>-4</sup>	0.98	0.47
				rs8075977	hg19.chr17:g.1660801T>C	T	C	1660801	1.01	0.34	0.92	3.51×10 <sup>-4</sup>
<i>CLEC17A</i>	19	14693896–14721969	1.16×10 <sup>-4</sup> (1.40×10 <sup>-3</sup> ; 6.55×10 <sup>-3</sup> )	rs6511939	hg19.chr19:g.14684425G>A	G	A	14684425	0.92	1.64×10 <sup>-4</sup>	0.98	0.71
				rs7254215	hg19.chr19:g.14713493G>A	A	G	14713493	0.98	0.26	0.91	7.68×10 <sup>-4</sup>
<i>SAE1</i>	19	47616531–47713893	9.70×10 <sup>-4</sup> (2.62×10 <sup>-3</sup> ; 0.036)	rs307896	hg19.chr19:g.47661493G>A	G	A	47661493	1.04	4.85×10 <sup>-4</sup>	1.03	0.34
				rs8102394	hg19.chr19:g.47676090G>T	G	T	47676090	0.96	4.25×10 <sup>-3</sup>	0.92	7.40×10 <sup>-3</sup>
<i>TEX101</i>	19	43892763 – 43922767	6.24×10 <sup>-4</sup> (7.81×10 <sup>-3</sup> ; 7.43×10 <sup>-3</sup> )	rs10853766	hg19.chr19:g.43914833T>C	C	T	43914833	1.04	2.93×10 <sup>-3</sup>	1.08	2.79×10 <sup>-3</sup>
				rs10853766	hg19.chr19:g.43914833T>C	C	T	43914833	1.04	2.93×10 <sup>-3</sup>	1.08	2.79×10 <sup>-3</sup>
<i>UBE2S</i>	19	55912650–55919325	9.71×10 <sup>-4</sup> (2.44×10 <sup>-3</sup> ; 0.039)	rs11669732	hg19.chr19:g.55912332C>T	C	T	55912332	0.96	1.02×10 <sup>-3</sup>	0.98	0.44
				rs12977991	hg19.chr19:g.55925500G>A	G	A	55925500	0.97	0.034	0.95	0.016
<i>ZNF256</i>	19	58452201–58459077	7.34×10 <sup>-4</sup> (0.032; 2.19×10 <sup>-3</sup> )	rs8101535	hg19.chr19:g.58442907C>T	C	T	58442907	1.03	5.69×10 <sup>-3</sup>	0.98	0.35
				rs8102308	hg19.chr19:g.58472963T>G	T	G	58472963	1.00	0.72	1.09	5.06×10 <sup>-4</sup>

*Chr* chromosome, *Gene Position* hg19 human genome assembly, *Fisher's combined P value* gene-based association *P* value from Fisher's combined *P* value test with the specific gene-based association *P* value for migraine and MDD (respectively) shown in brackets, *Top SNP* the most significant SNP assigned to the gene in the 2016 IHGC migraine GWAS and 2013 PGC MDD GWAS, *HGVs* Top SNP variation description based on hg19 human genome reference sequence, *EA* Top SNP effect allele, *NEA* Top SNP non-effect allele, *Top SNP position* hg19 human genome assembly, *Migraine* 2016 IHGC migraine GWAS, *MDD* 2016 23andMe MDD discovery GWAS, *OR* odds ratio for EA.



Supplementary Table 3. Summary of additional independent pathway analysis for electronic GO annotations			
Pathway term name	Term ID	FDR corrected <i>P</i> value	Gene list
<b>Source: Gene Ontology (biological process)</b>			
negative regulation of cytokine-mediated signaling pathway	GO:0001960	0.027	<i>NOL3 ECM1</i>
regulation of release of cytochrome c from mitochondria	GO:0090199	0.034	<i>BAD NOL3</i>
negative regulation of peptidase activity	GO:0010466	0.032	<i>SERPINF1 NGF NOL3 ECM1</i>
vacuolar protein processing	GO:0006624	0.023	<i>TMEM208</i>
positive regulation of mitochondrial membrane potential	GO:0010918	0.046	<i>BAD</i>
negative regulation of muscle atrophy	GO:0014736	0.023	<i>NOL3</i>
response to injury involved in regulation of muscle adaptation	GO:0014876	0.012	<i>NOL3</i>
suppression by virus of host apoptotic process	GO:0019050	0.034	<i>BAD</i>
nerve growth factor processing	GO:0032455	0.046	<i>NGF</i>
L-lysine catabolic process to acetyl-CoA via saccharopine	GO:0033512	0.034	<i>DLST</i>
neurofilament bundle assembly	GO:0033693	0.034	<i>NEFM</i>
snoRNA splicing	GO:0034247	0.023	<i>RNF113B</i>
negative regulation of cytolysis	GO:0045918	0.046	<i>BAD</i>
detection of mechanical stimulus involved in sensory perception of touch	GO:0050976	0.023	<i>KCNK4</i>
positive regulation by organism of apoptotic process in other organism involved in symbiotic interaction	GO:0052501	0.023	<i>BAD</i>
cellular process regulating host cell cycle in response to virus	GO:0060154	0.034	<i>BAD</i>
cellular response to alkaline pH	GO:0071469	0.023	<i>KCNK4</i>
cellular response to chromate	GO:0071247	0.012	<i>BAD</i>
cellular response to cobalt ion	GO:0071279	0.034	<i>SERPINF1</i>
cellular response to temperature stimulus	GO:0071502	0.046	<i>KCNK4</i>
semaphorin-plexin signaling pathway involved in bone trabecula morphogenesis	GO:1900220	0.023	<i>PLXNB1</i>
negative regulation of mitochondrial membrane permeability involved in apoptotic process	GO:1902109	0.023	<i>NOL3</i>
positive regulation of type B pancreatic cell development	GO:2000078	0.034	<i>BAD</i>
<b>Source: Gene Ontology (cellular component)</b>			
SUMO activating enzyme complex	GO:0031510	0.023	<i>SAE1</i>
<b>Source: Gene Ontology (molecular function)</b>			
death receptor binding	GO:0005123	0.0048	<i>NGF NOL3</i>
cysteine-type endopeptidase regulator activity involved in apoptotic process	GO:0043028	0.030	<i>BAD NOL3</i>
Rac GTPase binding	GO:0048365	0.031	<i>FARP1 DVL3</i>
extracellular matrix binding	GO:0050840	0.047	<i>GPR126 ECM1</i>
rRNA (adenine-N6N6-)-dimethyltransferase activity	GO:0000179	0.046	<i>TFB1M</i>
oxoglutarate dehydrogenase (succinyl-transferring) activity	GO:0004591	0.046	<i>MRPS36</i>
threonine-tRNA ligase activity	GO:0004829	0.034	<i>TARS2</i>
S-succinyltransferase activity	GO:0016751	0.012	<i>DLST</i>
SUMO activating enzyme activity	GO:0019948	0.023	<i>SAE1</i>

death effector domain binding	GO:0035877	0.046	<i>NOL3</i>
fucose binding	GO:0042806	0.046	<i>CLEC17A</i>
kinetochore binding	GO:0043515	0.046	<i>CENPH</i>
beta-adrenergic receptor kinase activity	GO:0047696	0.046	<i>GRK6</i>
temperature-gated cation channel activity	GO:0097604	0.023	<i>KCNK4</i>

*FDR* False Discovery rate.

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